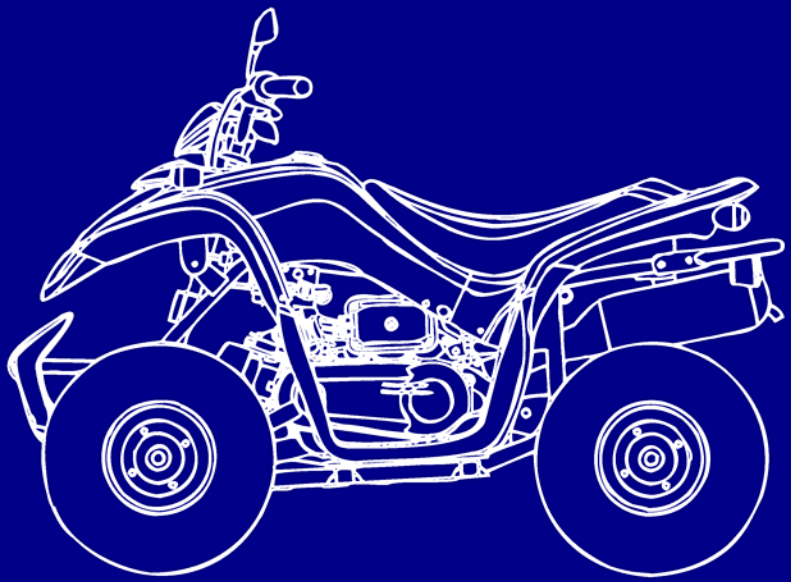
KYMCO

OWNER'S MANUAL

KWANG YANG MOTOR CO.,LTD.

MAXXER 50/90 ON-ROAD



Issued: 30.11.2004

IMPORTANT NOTICES

READ THIS MANUAL CAREFULLY

Your Owner's Manual contains important information on safety, operation, and maintenance. Any one who operates this ATV should carefully read and understand the contents of this manual before riding the vehicle.

AGE RECOMMENDATION

KXR 50: The minimum recommended age for this ATV model is 6. Children under age 6 should never operate this vehicle.

KXR 90: The minimum recommended age for this ATV model is 12. Children under age 12 should never operate this vehicle.

RIDER TRAINING

Anyone who operates this vehicle should get proper instruction.

FOR ON-ROAD USE ONLY

This machine is designed and manufactured for ON-ROAD use only. It is illegal and unsafe to operate this machine on any hills and rough or loose terrain.

This machine complies with all applicable ON-ROAD noise level and spark arrester laws and regulation in effect at the time of manufacture.

Please check your local riding laws and regulations before operating this machine.

SPECIAL MESSAGES

KYMCO provides many important safety messages both in this manual and on the vehicle. For your safety and the safety of others, pay special attention to all warnings preceded by this alert symbol ⚠. Failure to follow the warnings contained in this manual can result in SERIOUS INJURY or DEATH.

⚠ WARNING **Indicates a strong possibility that serious injury or death may result if instructions are not followed.**

CAUTION **Indicates a possibility that equipment or property damage could result if instructions are not followed.**

Note: Gives helpful information

The Owner's Manual should be considered a permanent part of your ATV. It should remain with the vehicle at all times and stay with the ATV if it is sold.

PREFACE

Congratulations on your purchase of the KYMCO ATV. KYMCO take pride in a worldwide reputation for quality-in research, design, production and service.

For replacement parts and accessories, we recommend genuine KYMCO products. They've been specially designed for your vehicle and manufactured to meet KYMCO's demanding standards.

This manual will provide you with a good basic understanding of the features and operation of this machine. This manual includes important safety information. It provides information about special techniques and skills necessary to ride your machine. It also includes basic maintenance and inspection procedures. If you have any questions regarding the operation or maintenance of your machine, please consult a KYMCO dealer.

We wish you many years of safe and enjoyable riding.

While reading this manual, remember:

WARNING **Indicates a strong possibility that serious injury or death may result if instructions are not followed.**

All information in this publication is based on the latest product information available at the time of approval for printing. KWANG YANG MOTOR CO.,LTD reserves the right to make changes at any time without notice and without incurring any obligation.

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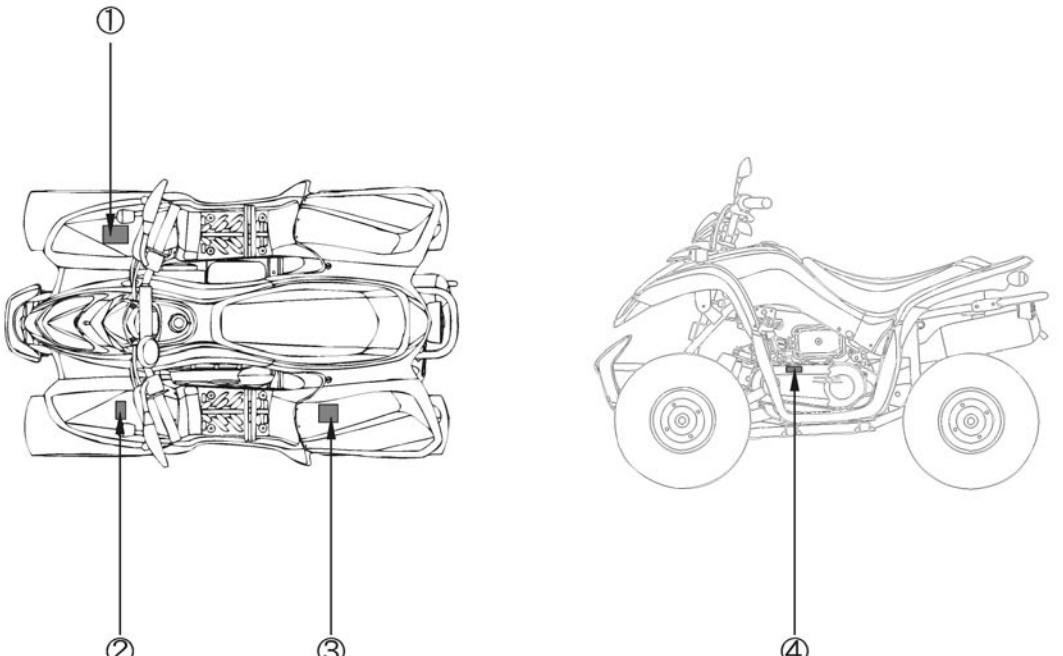
LOCATION OF THE WARNING AND SPECIFICATION LABELS



WARNING INFORMATION

Your ATV comes with a hang tag and several labels containing important safety information. Anyone who rides the vehicle should read and understand this information before riding.

Parents of young riders should make sure their youngsters read and understand the hang tag and label information before allowing them to ride.

The labels should be considered as permanent parts of the vehicle. If a label comes off or becomes hard to read, contact your KYMCO dealer for replacements

①

⚠ WARNING

Improper ATV use can result in SEVERE INJURY or DEATH.

ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR

NEVER USE WITH ALCOHOL OR DRUGS

NEVER operate :

- **Without proper training or instruction.**
- **At speeds too fast for your skills or the conditions.**
  Do not operate the vehicle after consuming ALCOHOL OR DRUGS.

ALWAYS :

- **Use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns.**
- **For your safety, wear gear to include helmet gloves and foot protection.**
- **Gasoline is flammable shut off engine, avoid sparks and open flame when refueling.**

READ OWNER'S MANUAL, FOLLOW ALL INSTRUCTIONS AND WARNINGS.

② (MAXXER 50)

⚠ WARNING

Operating this ATV if you are under the age of 6 increases your chance of severe injury or death.

NEVER operate this ATV if you are under age 6.

② (MAXXER 90)

⚠ WARNING

Operating this ATV if you are under the age of 12 increases your chance of severe injury or death.

NEVER operate this ATV if you are under age 12.

③

⚠ WARNING

IMPROPER TIRE PRESSURE OR OVERLOADING CAN CAUSE LOSS OF CONTROL.

LOSS OF CONTROL CAN RESULT IN SEVERE INJURY OR DEATH.

OPERATING TIRE PRESSURE : Set with tires cold ·

Recommended :

FRONT : 22~28 kpa, (0.22~0.28 kgf/cm^2), 3.2~4.0 psi

REAR : 22~28 kpa, (0.22~0.28 kgf/cm^2), 3.2~4.0 psi

· Never set tire pressure over the recommended.

④

⚠ SAFETY INFORMATION

AN ATV IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE. An ATV handles differently from other vehicles including motorcycles and cars. A collision can occur quickly, even during routine maneuvers, if you fail to take proper pre-cautions.

SEVERE INJURY OR DEATH can result if you do not follow these instructions:

- Read this manual and all labels carefully and follow the operating procedures described.
- Never operate an ATV without proper training or instruction.
  Beginners should receive training from a certified instructor.
- Always follow the age recommendation:
  - A child under 6 years old should never operate an ATV with engine size greater than 70cc.
  - A child under 12 years old should never operate an ATV with engine size greater than 90cc.
- Never allow a child under age 16 to operate an ATV without adult supervision, and never allow continued use of an ATV by a child if he or she does not have the abilities to operate it safely.
- Never operate an ATV without wearing an approved motorcycle helmet that fits properly. You should also wear eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket, and long pants.

- Never consume alcohol or drugs before or while operating this ATV.
- Never operate at speeds too fast for your skills or the conditions. Always go at a speed that is proper for the terrain, visibility and operating conditions, and your experience.
- Never attempt wheel, jump, or other stunt.
- Always inspect your ATV each time you use it to make sure it is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in this manual.
- Always keep both hands on the handlebars and both feet on the footboards of the ATV during operation.
- Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.
- Never operate on excessively rough, slippery or loose terrain.
- Always follow proper procedures for turning as described in this manual. Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at excessive speed.
- Never operate the ATV on hills.
- Always follow proper procedures for climbing slopes as described in this manual. Check the terrain carefully before you start up any slope. Shift your weight forward. Never open the throttle suddenly. Never go over the top of a slope at high speed.

- Always follow proper procedures for going down slopes and for braking on slopes as described in this manual. Check the terrain carefully before you start down any slope. Shift your weight backward. Never go down a slope at high speed. Avoid going down slope at an angle that would cause the vehicle to lean sharply to one side. Go straight down the slope where possible.
- Never attempt to turn the ATV around on any slope until you have mastered the turning technique described in this manual on level ground. Avoid crossing the side of a steep slope if possible.
- Always check for obstacles before operating in a new area. Never attempt to operate over large obstacles, such as large rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.
- Always be careful when skidding or sliding. Learn to safely control skidding or sliding by practicing at low speeds and on level, smooth terrain. On extremely slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.
- Never operate an ATV in fast flowing water or in water deeper than that recommended in this manual. Remember that wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them several times to let friction dry out the linings.
- Always use the size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.
- Never modify an ATV through improper installation or use of accessories.
- Never exceed the stated load capacity for an ATV. Cargo should be properly distributed and securely attached. Reduce speed and follow instructions in this manual for carrying cargo. Allow greater distance for braking.

⚠ WARNING

POTENTIAL HAZARD

Improper handling of gasoline.

WHAT CAN HAPPEN

Gasoline can catch fire and you could be burned.

HOW TO AVOID THE HAZARD

Always turn off the engine when refueling.

Do not refuel right after the engine has been running and is still very hot.

Do not spill gasoline on the engine or exhaust pipe/muffler when refueling.

Never refuel while smoking, or while in the vicinity of sparks, open flames, or other sources of ignition such as the pilot lights of water heaters and clothes dryers.

When transporting the machine in another vehicle, be sure it is kept upright and that the fuel cock is in the "OFF" position.

Otherwise, fuel may leak out of the carburetor or fuel tank.

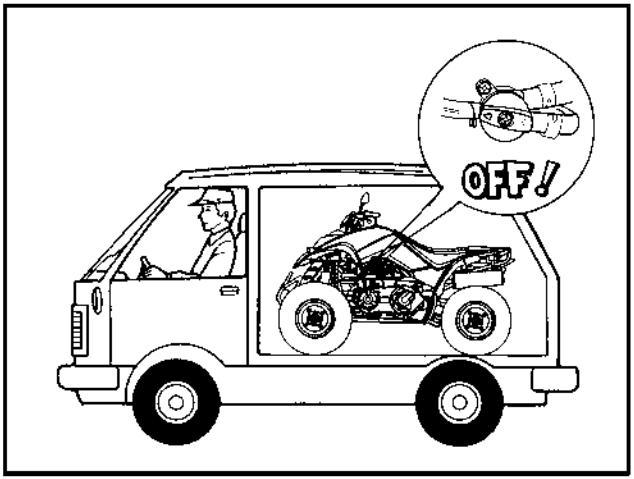
WHAT CAN HAPPEN

Gasoline is poisonous and can cause injuries.

HOW TO AVOID THE HAZARD

If you should swallow some gasoline or inhale a lot of gasoline vapor, or get some gasoline in your eyes, see your doctor immediately.

If gasoline spills on your skin, wash with soap and water. If gasoline spills on your clothing, change your clothes.



⚠ WARNING

POTENTIAL HAZARD
Starting or running the engine in a closed area.

WHAT CAN HAPPEN
Exhaust fumes are poisonous and may cause loss of consciousness and death within a short time.

HOW TO AVOID THE HAZARD
Always operate your machine in an area with adequate ventilation.

DESCRIPTION AND MACHINE IDENTIFICATION

Identification number records

Record the keys identification number, frame serial number, engine serial number and model code information for assistance when order replacement parts.

IGNITION SWITCH KEY NO.

_____

STEERING LOCK KEY NO.

_____

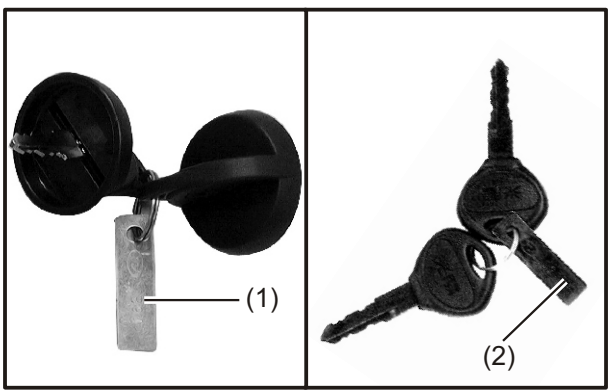
FRAME NO. _____

ENGINE NO. _____

MODEL CODE _____

Keys identification number

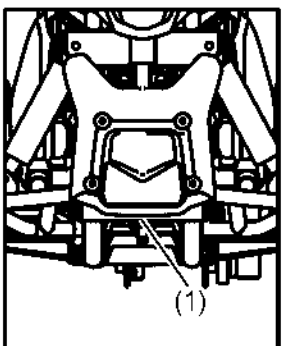
The keys identification number is stamped on the hang tag as shown in the following illustration.



(1) Ignition switch key identification number
(2) Steering lock key (MAXXER 90) identification number

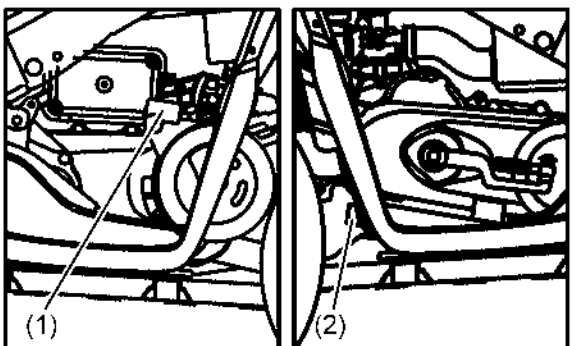
Frame and engine serial number

The frame serial number is stamped on the front of the frame.



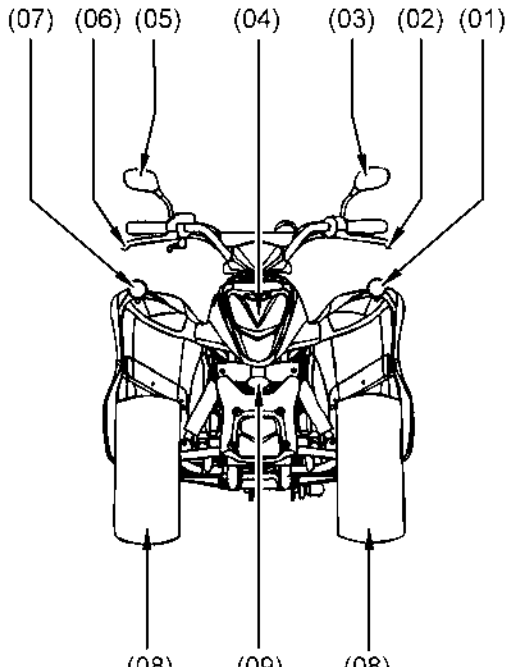
(1) Frame serial number

The engine serial number is stamped on the left crankcase.

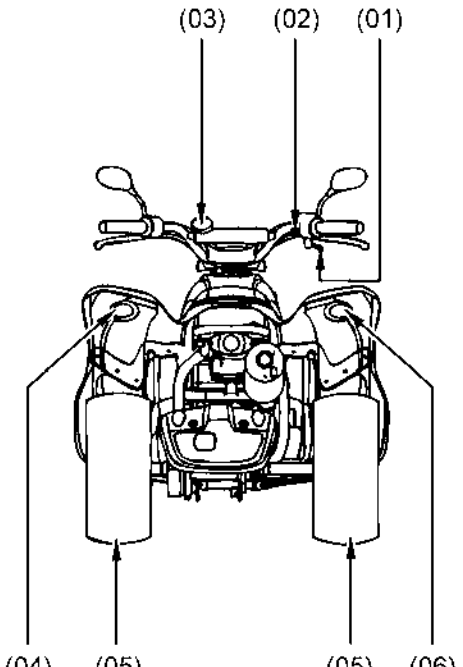


(1) Engine serial number (MAXXER 50)
(2) Engine serial number (MAXXER 90)

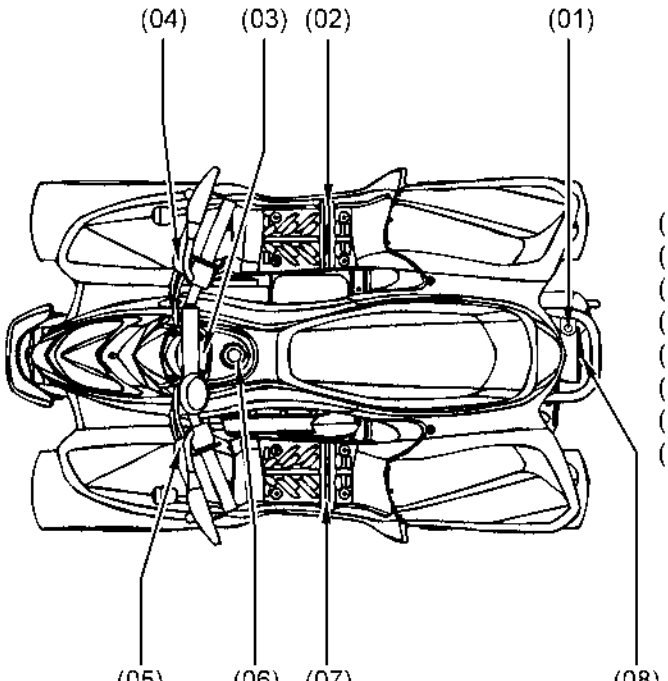
Parts location



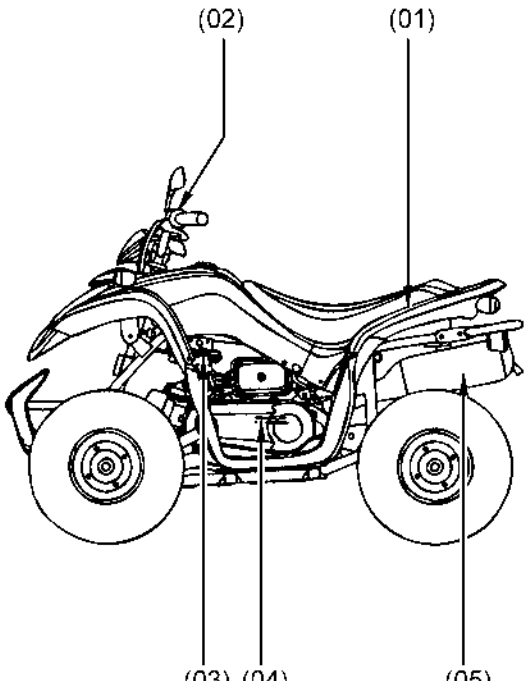
(01) Left front turn signal light
(02) Rear brake lever
(03) Left back mirror
(04) Headlight
(05) Right back mirror
(06) Front brake lever
(07) Right front turn signal light
(08) Front wheel
(09) Position light



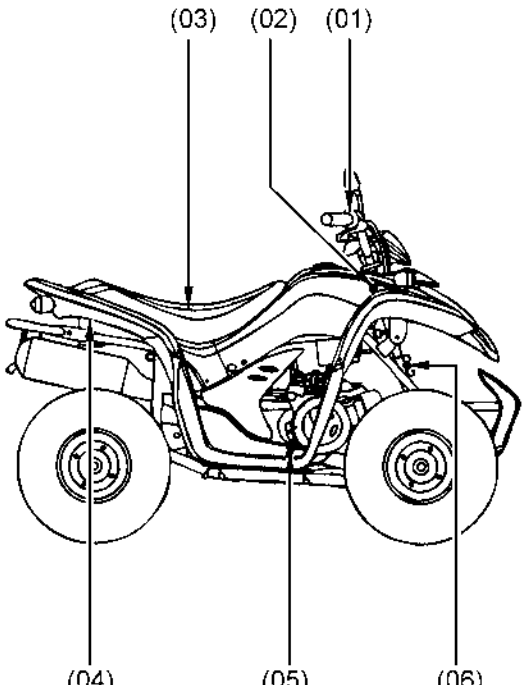
(01) Throttle lever
(02) Remote engine stop switch
(03) Instrument
(04) Left rear turn signal light
(05) Rear wheel
(06) Right rear turn signal light



(01) Flag pole bracket
(02) Right footboard
(03) Indicator lamps
(04) Parking brake (MAXXER 90)
(05) Parking brake (MAXXER 50)
(06) Fuel fill cap
(07) Left footboard
(08) Taillight/Stop light



(01) Storage compartment, containing
Owner's manual
Air pressure gauge
Tool kit
(02) Handlebar switches
(03) Fuel vavle
(04) Kick starter
(05) Exhaust pipe



(01) Speed limiter
(02) Ignition switch
(03) Seat
(04) Seat lock lever
(05) Brake pedal
(06) Steering handlebar lock (MAXXER 90)

NOTE:

The machine you have purchased may differ slightly from those shown in the figures of this manual.

CONTROL FUNCTIONS

Ignition switch

Functions of the respective switch positions are as follows:

OFF:

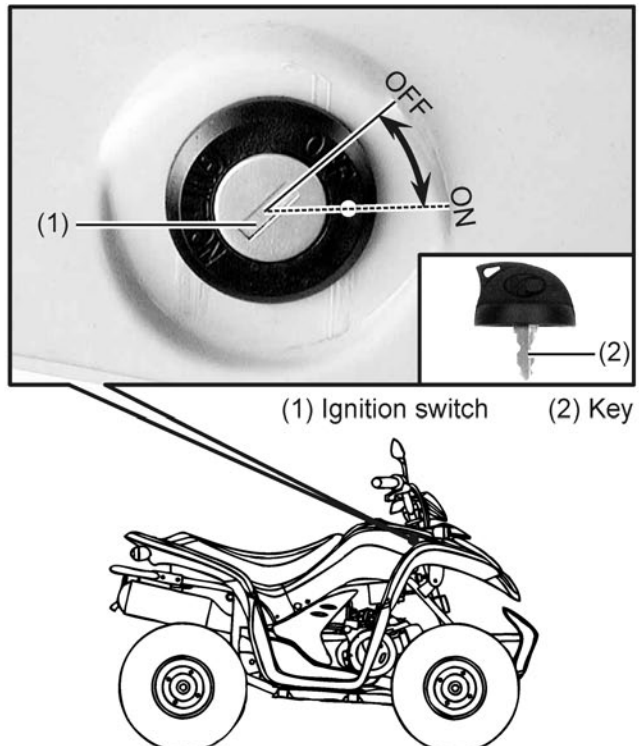
All electrical circuits are switched off. The key can be removed in this position.

ON (•):

The position and taillight can be turned on.

With the engine stop switch at run ( ), the engine can be started.

The key can not be removed.



(1) Ignition switch (2) Key

Indicator lamps

Right/Left turn signal indicator lamps

FUNCTION: Flashes when the right turn signal Operates.
Flashes when the left turn signal Operates.

High beam indicator lamp

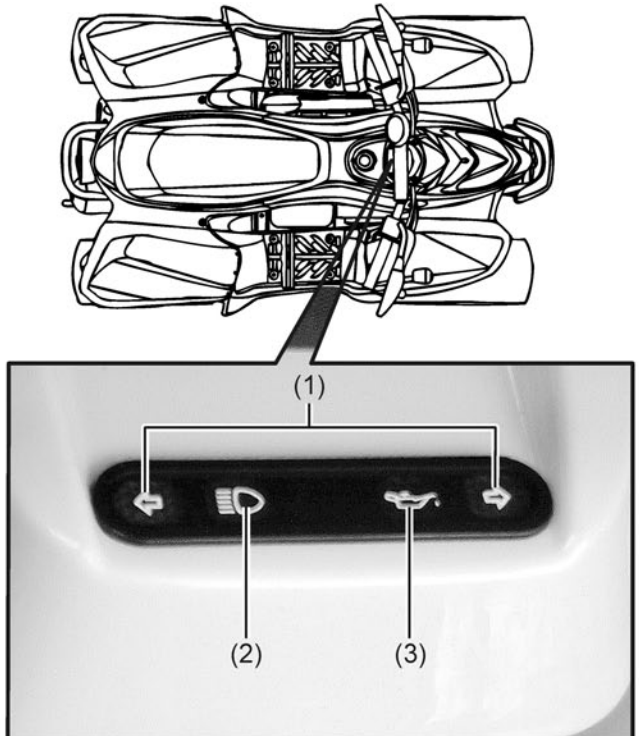
The high beam indicator lamp will light when the headlight switch to select high beam (≣D)and the ignition switch is ON (•) .

Low oil level indicator " " (MAXXER 50)

The low level indicator lights when the 2-stroke engine oil level is low.

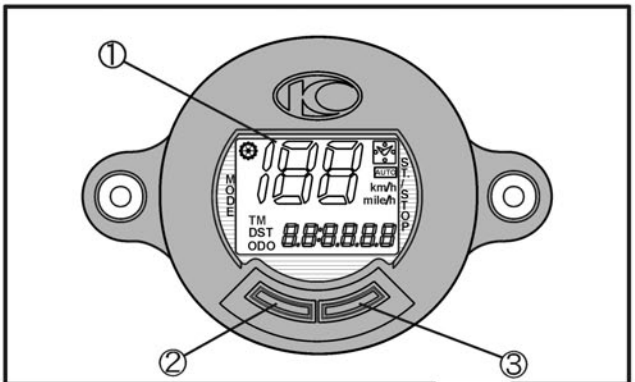
CAUTION:

If the low oil level indicator comes on while riding, stop riding and shut the engine off. Fill the oil tank to the upper level mark with the recommended oil (see page 45). Continuing to ride with a low oil level may lead to engine failure that could result in an accident.

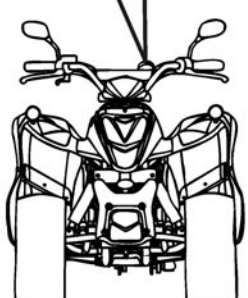


(1) Right/Left turn signal indicator lamps
(2) High beam indicator lamp
(3) Low oil level indicator lamp

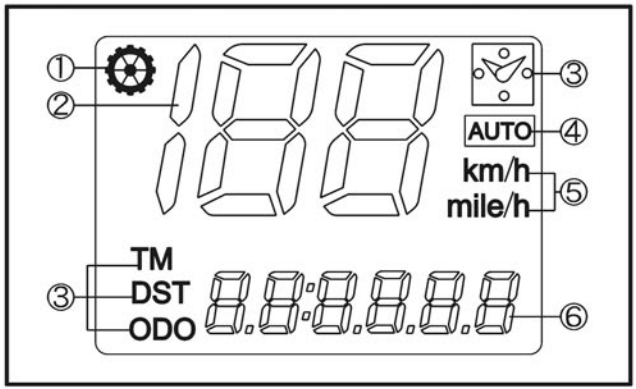
Instruments



1. Display
2. MODE button
3. ST./STOP button



Display description



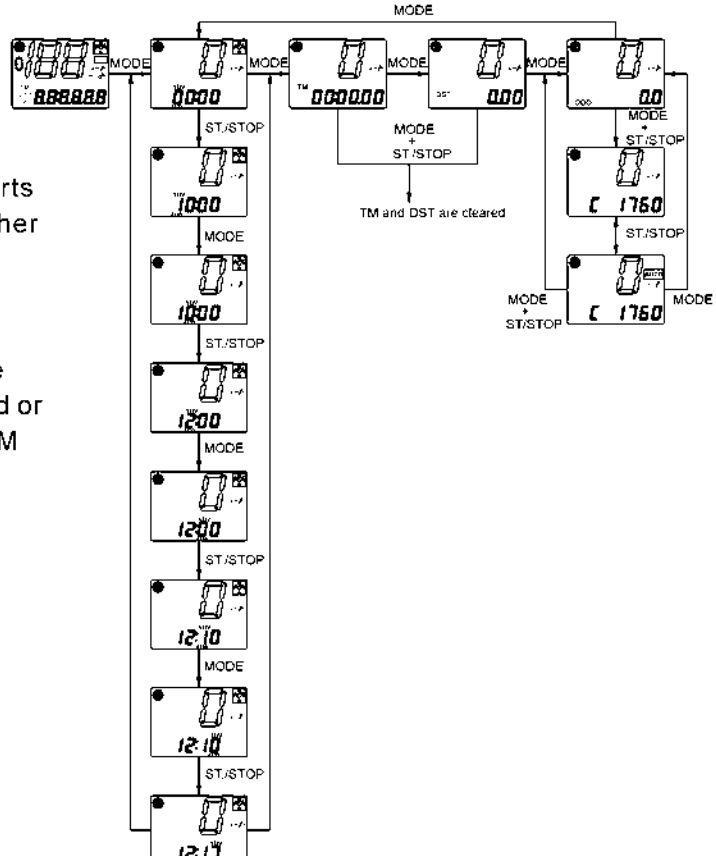
1. TM start symbol
2. Bar-graph speed symbol
3. Mode symbol
4. Auto (automatic start/stop) mode symbol
5. Distance scale symbol
6. Data display (TM, DST, ODO, CLOCK)

1. Button function

· MODE Button: Each press of button converts the screen to display will be changed to other functions.
(CLOCK ›TM ›DST ›ODO ›CLOCK)

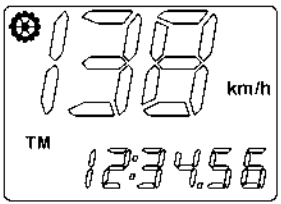
· ST./STOP Button: When this button was pressed, measurement of the trip distance and elapsed time is simultaneously started or stopped. While the unit is operating, the TM symbol flashes.

· MODE+ST./STOP Button: When the mode button and ST./STOP button are pressed simultaneously, DST, TM are cleared.

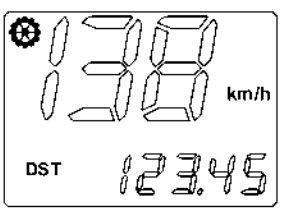


2. Function

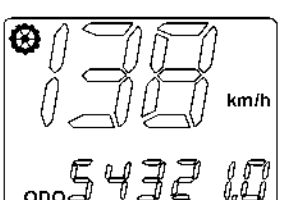
- Speed: Current speed is displayed continuously when the motor in motion.
- TM: Elpased time is measures from the starting point of a trip.



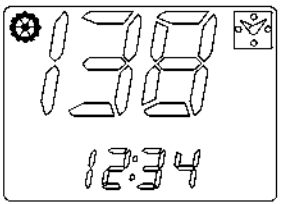
- DST: Trip distance is measures traveled since the time of the last reset.



- ODO: Total distance: Mileage is continuously measured accumulated and displayed until the battery wears down.

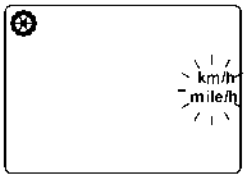


· CLOCK: The 24HR clock always displayed the current time on the screen.



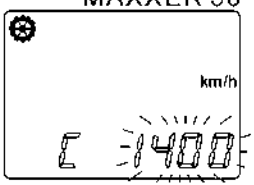
3. Default setting or resetting the unit

- When the MODE button and ST./STOP button are pressed simultaneously and press the ST./STOP button. The indicator on the display will change between km/h & mile/h.

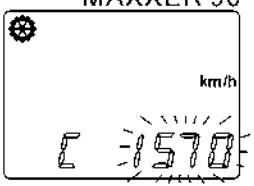


- Press the MODE button and press the ST./STOP button to setting wheel circumference, the body to set wheel circumference is (MAXXER 50: 1400mm) (MAXXER 90: 1570mm).

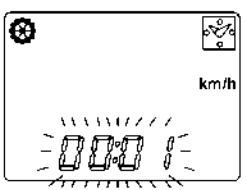
MAXXER 50



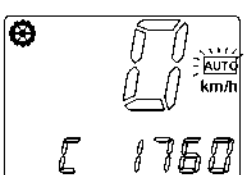
MAXXER 90



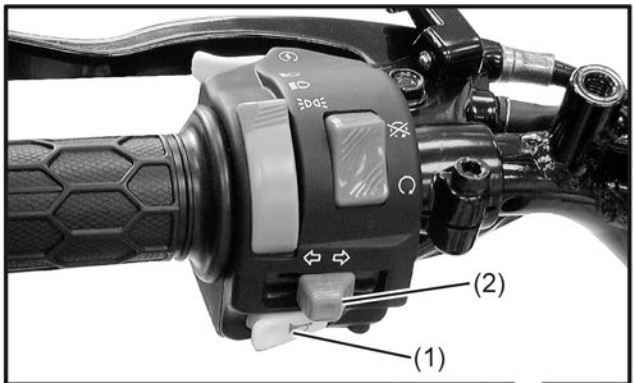
- Press the MODE button and press the ST./STOP button to setting clock.



- When the MODE button and ST./STOP button are pressed simultaneously and press the ST./STOP button to setting auto symbol.("ODO" Mode)



Handlebar switches



(1) Horn button

(2) Turn signal switch

Horn button

When the ignition switch is in the " · " position, push the horn button and it will sound.

Turn signal switch

Use the turn signal switch while turning to another direction or shifting to another lane. The turn signal light will wink when the switch is operated,

"⇦" For turning to the "left".

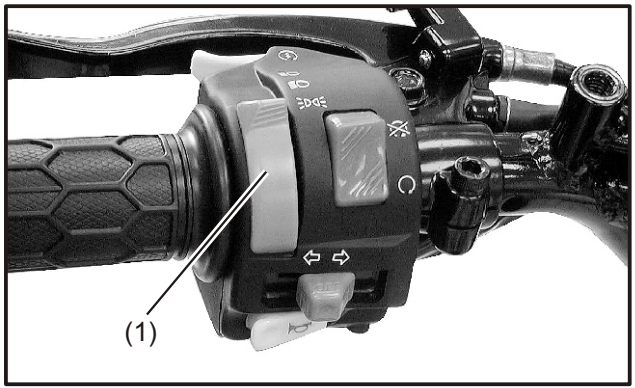
"⇨"For turning to the "right".

The instrument turn signal indicator light will also wink when the switch is operated.

Push the switch and it will release.

CAUTION:

- The turn signal light will not release automatically. Be sure to reset it after use; otherwise it may affect the traffic safety.
- The turn signal switch does not work when the ignition switch is "OFF".



(1) Headlight switch

Headlight switch

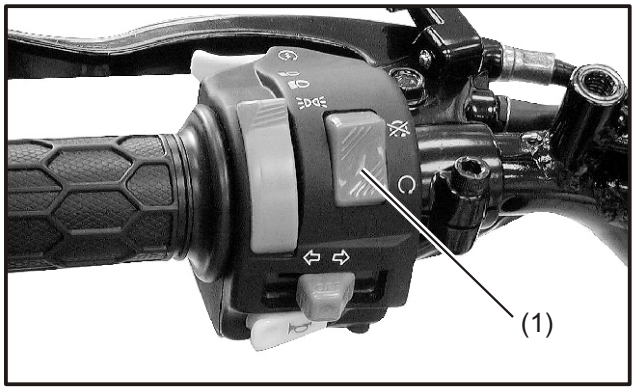
Turn the switch to the "≡D" position to switch on the low beam.

Turn the switch to the "≡D" position to switch on the high beam.

Turn the switch to the "OO" position to switch off the headlight.

NOTE:

The headlight can be turned on only when the engine is running.



(1) Engine stop switch "○"/"⊗"

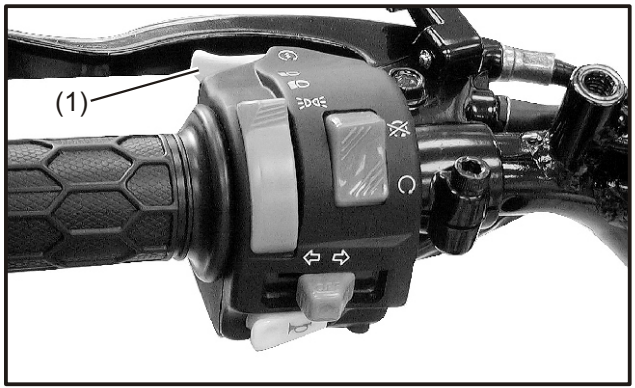
Engine stop switch

When the switch is in the RUN (○) position, the engine will operate. When the switch is in OFF (⊗) position, the engine will not operate.

This switch is intended primarily as a safety or emergency control, and it should normally remain in the RUN (○) position.

NOTE:

If you stop your ATV by turning the engine stop switch OFF (⊗), be sure to turn the ignition switch OFF to prevent battery discharge.



(1) Start button

Stater button

To starter the engine, apply brake and press the starter button, with the ignition switch ON (•) and the engine stop switch at RUN ( )

CAUTION:

See starting instructions prior to starting engine (see page 50 for details).

NOTE:

If the starter switch is pushed with the ignition switch " · " and the engine stop switch " ", the starter motor will be activated but the engine will not start. To start the engine, be sure to position the engine stop switch at " ".

Kick starter

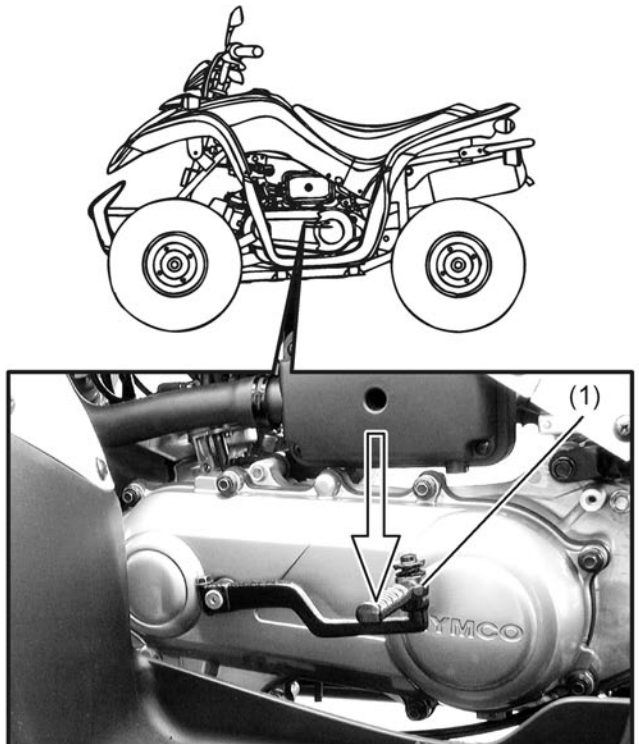
The kick starter cranks the engine when the kick starter is operated.

CAUTION:

See starting instructions prior to starting engine (see page 50 for details).

NOTE:

If the kick starter is operated with the ignition switch at " · " and the engine stop switch "⊗", the engine will not start. To start the engine, be sure to position the engine stop switch at "○".



(1) Start kick lever

Remote engine stop switch

The ATV has a remote engine stop switch. This allows the supervisor to follow close behind and stop the engine by pulling a tethered core. Practice using it when your youngster first starts riding. (See page 76.)

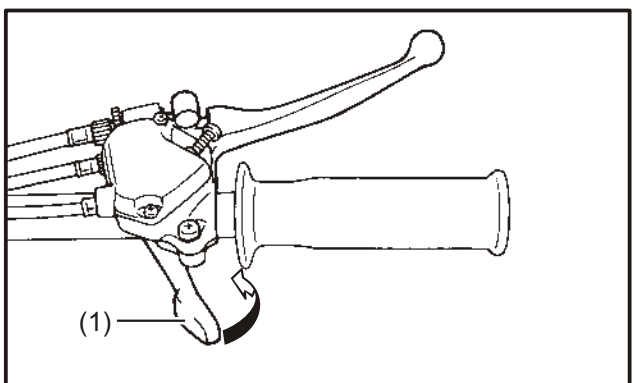
NOTE:

Make sure the tethered road lead is installed into the remote engine stop switch. When the tethered road lead is not installed, the engine will not operate.

(1) Remote engine stop switch
(2) Tethered cord lead

Throttle lever

It is operated by the thumb. Pressing the lever opens the throttle. When pressure is released, spring tension automatically closes the throttle. Regulate the speed of the machine by varying the throttle position.



(1) Throttle lever

⚠ WARNING

POTENTIAL HAZARD

Malfunction of throttle.

WHAT CAN HAPPEN

The throttle could be hard to operate, making it difficult to speed up or slow down when you need to. This could cause an accident.

HOW TO AVOID THE HAZARD

Check the operation of the throttle lever before you start the engine. If it does not work smoothly, check for the cause.

Correct the problem before riding the ATV.

Consult a KYMCO dealer if you can't find or solve the problem yourself.

Speed limiter

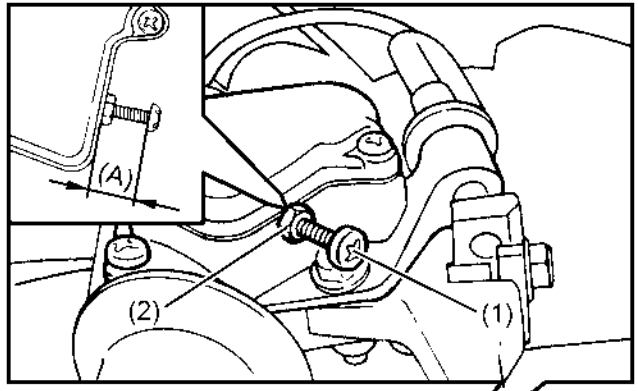
The speed limiter keeps the throttle from fully opening, even when the throttle lever is pushed to the maximum. Screwing in the adjuster limits the maximum engine power available and decreases the maximum speed of the ATV.

⚠ WARNING

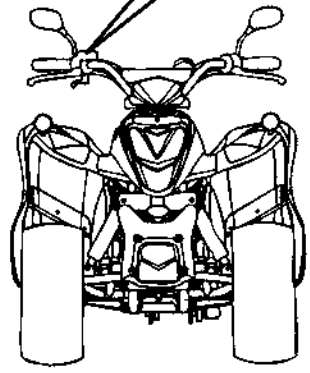
POTENTIAL HAZARD
Improper adjustment of the speed limiter and throttle.

WHAT CAN HAPPEN
The throttle cable could be damaged. Improper throttle operation could result. You could lose control, have an accident or be injured.

HOW TO AVOID THE HAZARD
MAXXER 50: Do not turn the speed adjuster out more than 18 mm (0.72 in).
MAXXER 90: Do not turn the speed adjuster out more than 8 mm (0.32 in).
Always make sure the throttle lever free play is adjusted to 1.0~4.0 mm (0.04~0.16 in). See page 109.

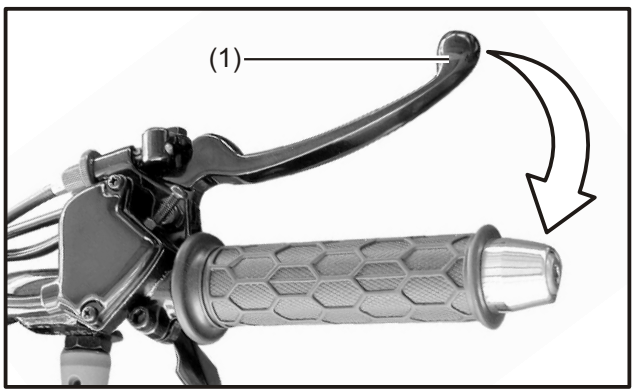


(1) Adjuster
(2) Locknut
(A) MAXXER 50:
18mm(0.72in)
MAXXER 90:
8mm(0.32in)



Front and rear brakes

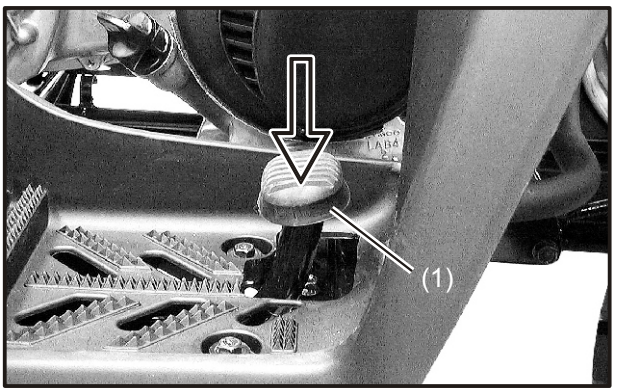
The front and rear brakes are operated by squeezing the front brake lever.



(1) Front brake lever

Brake pedal (MAXXER 90)

The both front and rear brakes are operated at the same time by depressing the brake pedal.



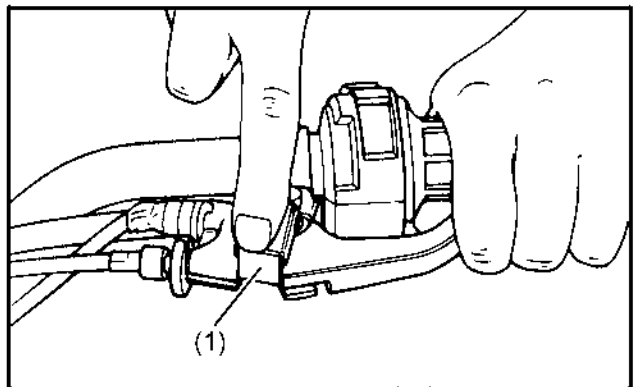
(1) Rear brake pedal

Parking brake (MAXXER 50)

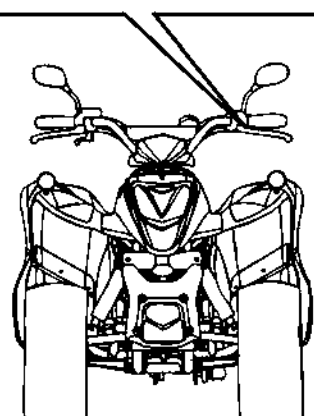
To set the parking brake, squeeze the rear brake lever and lock it with the lock plate. Always set the parking brake when parking and before starting the engine.

To unlock the parking brake, squeeze the rear brake lever until the lock plate releases.

Using the parking brake in freezing weather may cause the brakes to freeze in the locked position. (See page 56.)



(1) Lock plate

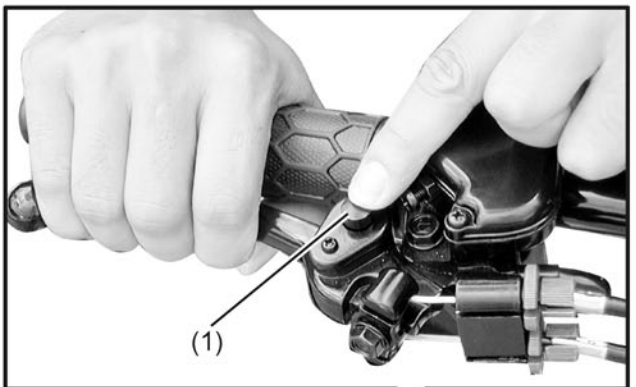


Parking brake (MAXXER 90)

To set the parking brake, squeeze the front brake lever and lock it with the lock pin. Always set the parking brake when parking and before starting the engine.

To unlock the parking brake, squeeze the front brake lever until the lock pin releases.

Using the parking brake in freezing weather may cause the brakes to freeze in the locked position. (See page 56.)



(1) Lock pin

⚠ WARNING

POTENTIAL HAZARD

Improper use of the parking brake.

WHAT CAN HAPPEN

The ATV could start moving unexpectedly if the parking brake is not applied before starting the engine. This could cause loss of control or a collision.

The brake could overheat if you ride the ATV without releasing the parking brake. You could lose braking performance which could cause an accident. You could also wear out the brakes prematurely.

HOW TO AVOID THE HAZARD

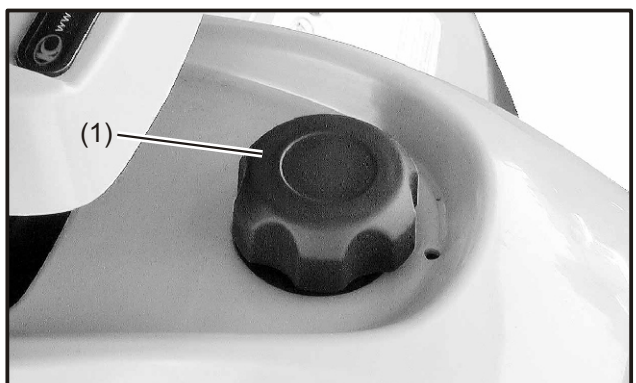
Always set the parking brake before starting the engine.

Always be sure you have released the parking brake before you begin to ride.

Fuel tank cap

After refueling, be sure to tighten the fuel tank cap.

TO refuel refer to page 42~43.



(1) Fuel tank cap

Fuel valve

The fuel valve supplies fuel from the fuel tank to the carburetor.

The fuel valve has three positions.

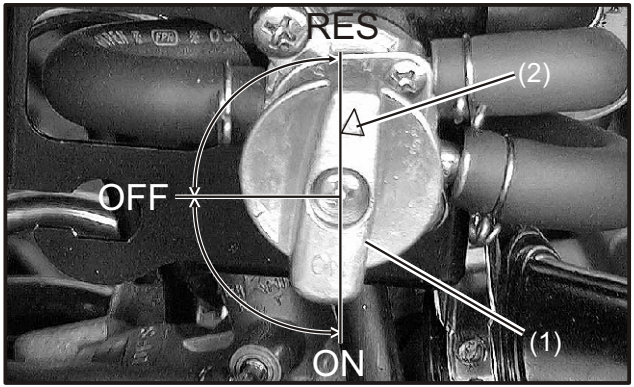
OFF: With the lever and " △ " mark in this position fuel will not flow. Always turn the lever to this position when the engine is

ON : not running.

With the lever " △ " mark in this position, fuel flows to the carburetor. Normal riding

RES: is done with the lever in this position.

This indicates reserve. If you run out of fuel while riding, turn the lever " △ " mark to this position. THEN FILL THE FUEL TANK AT THE FIRST OPPORTUNITY. After refueling, return the fuel valve lever to the "ON" position.



(1) Fuel lever (2) " △ " mark

NOTE:

After refueling, do not operate the ATV with the fuel valve in the RES position. If you run out of fuel, there will be no reserve supply.

Locking steering (MAXXER 90)

Turn the steering handlebar left to full and turn the key clockwise, the steering handlebar is locked.

The key can be taken out.

Turn the key counterclockwise, the steering handlebar is released automatically.

The key can be taken out.

⚠ WARNING

POTENTIAL HAZARD

Improper use of the locking steering.

WHAT CAN HAPPEN

The ATV could cause loss of control or overturn.

HOW TO AVOID THE HAZARD

Always be sure you have released the locking steering handlebar before you begin to ride.

Never lock the steering handlebar, when the engine is starting.

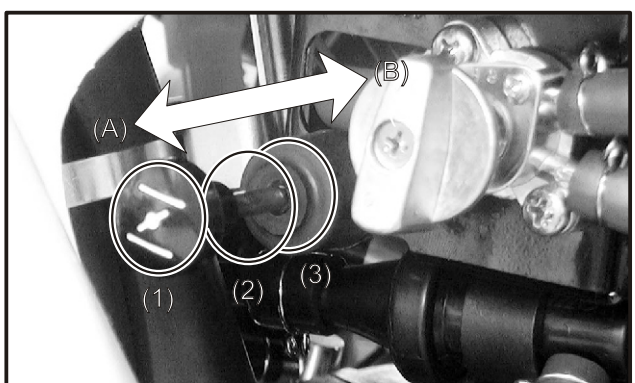
Starter (choke) (MAXXER 90)

Starting a cold engine requires a richer air-fuel mixture. A separate starter circuit supplies this mixture.

Move in direction (A) to turn on the starter (choke).

Move in direction (B) to turn off the starter (choke).

Refer to "starting a cold engine" for proper operation. (See page 50.)



(1) Fully open (2) Half open

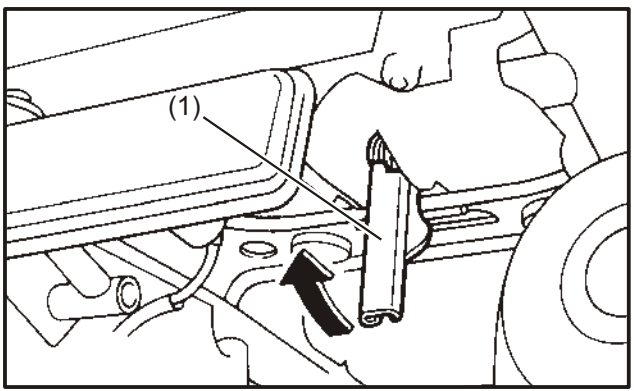
(3) Closed (A) Starter (choke)

CAUTION:

- Extended use of the choke may impair piston and cylinder wall lubrication and shorten the life of the engine.
- Pushing the choke knob too hard to the OFF position may dislodge the choke cable boot. If this happens, water and dirt may enter the choke cable and cause corrosion. If the choke is hard to actuate, or feels like it is sticking, Check the cable boot

Seat

To remove the seat, pull upward the seat lock lever and pull up the seat the rear.



(1) Seat lock lever

To install the seat, align the tabs on the seat with the grommets on the frame and press the seat down until it locks.

NOTE:

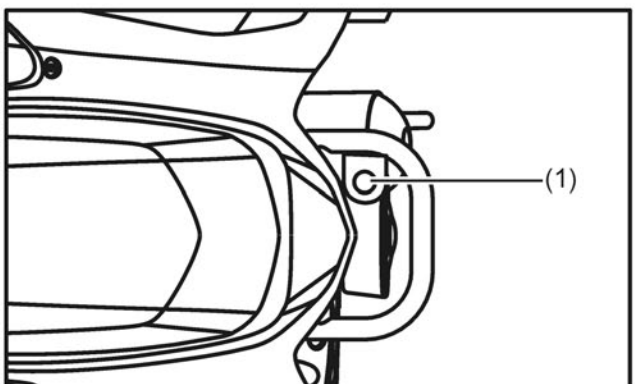
Make sure that the seat is securely fitted.

Flag pole bracket

To mount a flag pole in the bracket.

NOTE:

Flag poles are required in some riding areas. Check local regulations before riding.

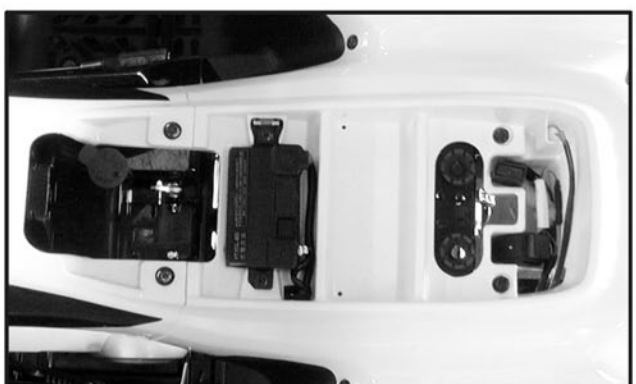


(1) Flag pole bracket

Storage compartment

The storage compartment is located under the seat. To remove the seat, see page 38.

Be careful not to flood this area when washing your ATV or riding through water, and never put any electric conduction material in the storage compartment.



PRE-OPERATION CHECKS

Before using this machine, check the following points:

ITEM	ROUTINE	PAGE
Brake	• Check operation, condition, free play (drum brake) and brake fluid level (disk brake). • Adjust (drum brake) if necessary. • Fill with DOT 4 brake fluid (disk brake) if necessary.	41～42, 110～117
Fuel	• Check fuel level. • Fill with fuel if necessary.	42～43
Engine oil and Transmission oil	• Check oil level. • Fill with oil if necessary.	44~45, 95～101
Drive chain	• Check chain slack and condition. • Adjust if necessary.	46, 118～120
Throttle	• Check for proper throttle cable operation.	46
Wheels and tires	• Check tire pressure, wear and damage.	47～49, 122
Fittings and fasteners	• Check all fitting and fasteners.	46
Switches	• Check for proper function.	46
Lights	• Check for proper operation.	46

⚠ WARNING

POTENTIAL HAZARD
Failure to inspect the ATV before operating.
Failure to properly maintain the ATV.

WHAT CAN HAPPEN
Increases the possibillty of an accident or equipment damage.

HOW TO AVOID THE HAZARD
Always inspect your ATV each time you use it to make sure the ATV is in safe operating condition.
Always follow the inspection and maintenance procedures and schedules described in the Owner's Manual.

Front and rear brakes

1. Drum brake

   Check for correct free play in the brake levers. If the free play is incorrect, adjust it. (See pages 110~117.)

   Check operation of the levers. They should move smoothly and there should be a firm feeling when the brake is applied. If not, have the machine inspected by a KYMCO dealer.

2. Disk brake

   Make sure there is no brake fluid leakage.

   Check operation of the levers. They should move smoothly and there should be a firm feeling when the brake is applied. If not, have the machine inspected by a KYMCO dealer.

3. Brake operation

   Test the brakes at slow speed after starting out to make sure they are working properly. If the brakes do not provide proper braking performance, inspect the brakes for wear. (See page 110.)

⚠ WARNING

POTENTIAL HAZARD

Riding with improperly operating brakes.

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident.

HOW TO AVOID THE HAZARD

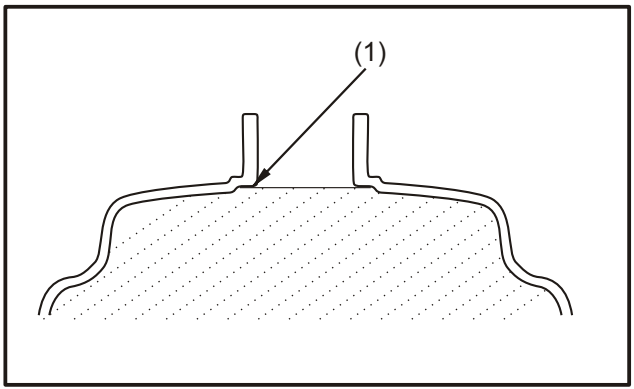
Always check the brakes at the start of every ride. Do not ride the ATV if you find any problem with the brakes. If a problem cannot be corrected by the adjustment procedures provided in this manual, have the ATV inspected by a KYMCO dealer.

Fuel

Fill the fuel tank when necessary and make sure there is sufficient gasoline in the tank.

Check for leaks.

Fuel level should be below the filler neck.



(1) Filler neck

Recommended fuel:

UNLEADED FUEL

Fuel tank capacity:

Total: 5.5L(1.16 Imp gal, 1.4 US gal)

Reserve: 1.5L(0.32 Imp gal, 0.38 US gal)

Your KYMCO engine has been designed to use regular unleaded gasoline with a pump octane number of 86 or higher, or research octane number of 91 or higher. If knocking or pinging occurs, use a different brand of gasoline or premium unleaded fuel. Unleaded fuel will give you longer spark plug life and reduced maintenance cost.

Use unleaded fuel only because it produces fewer engine and spark plug deposits and extends the life of the exhaust system. Never use stale or contaminated gasoline or an oil/gasoline mixture.

Avoid getting dirt, dust or water in the fuel tank.

⚠ WARNING

POTENTIAL HAZARD

Improper care when refueling.

WHAT CAN HAPPEN

Fuel can spill, which can cause a fire and severe injury.

Fuel expands when it heats up. If the fuel tank is overfilled, fuel could spill out due to heat from the engine.

HOW TO AVOID THE HAZARD

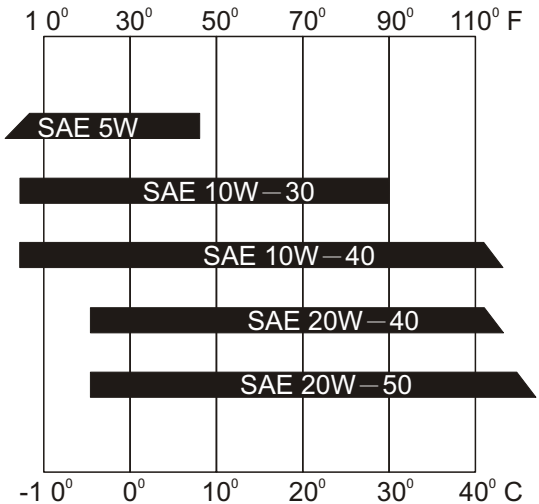
Do not overfill the fuel tank. Be careful not to spill fuel, especially on the engine or exhaust pipe. Wipe up any spilled fuel immediately. Be sure the fuel tank cap is closed securely.

Do not refuel right after the engine has been running and is still very hot.

Engine (MAXXER 90)and transmission oil

Make sure the engine and transmission oil at the specified level. Add oil as necessary. (See page 95~101.)

Check for leaks.



Recommended engine/transmission oil classification: API Service SE, SF, SG type or higher

CAUTION:

Be sure to use motor oils that do not contain anti-friction modifiers. Passenger car motor oils (often labeled "Energy Conserving") contain anti-friction additives which will cause starter clutch slippage, resulting in reduced component life and poor engine performance.

Oil quantity:

Engine oil:

Periodic oil change:

0.7 L (0.62 Imp qt, 0.74 US qt)

Total amount:

0.8 L (0.70 Imp qt, 0.84 US qt)

Transmission oil:

Periodic oil change:

0.11 L (0.10 Imp qt, 0.12 US qt)

Total amount:

0.12 L (0.11 Imp qt, 0.13 US qt)

Engine oil (MAXXER 50)

Oil level

When the low oil level indicator lights, it means the oil level in the oil tank is low; stop the engine and fill the oil tank as soon as possible.

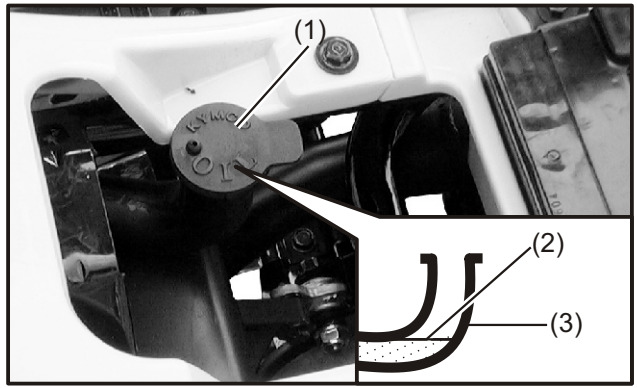
CAUTION:

- If the low oil level indicator comes on while riding, stop riding and shut the engine off. Fill the oil tank to the upper level mark with the recommended oil. Continuing to ride with a low oil level may lead to engine failure that could result in an accident.
- if the engine has been run after the low oil level indicator has come on, the scooter must be taken to an authorized KYMCO dealer for inspection and bleeding of the oil system. Failure to do this will result in serious engine damage.

To fill, lift seat (see page 38), remove the cap from the oil tank, and fill with the recommended oil up to the upper level mark.

NOTE:

When filling, do not let dirt or other foreign materials enter the tank.



(1) Cap (2) Upper level mark (3) Fill duct

Oil recommendation :

Use KYMCO 2-STROKE OIL OR ITS EQUIVALENT

CAUTION:

The use of improper oils may cause excessive and/or premature carbon build-up in the engine and exhaust system, resulting in loss If power and possible engine damage. Genuine KYMCO 2-Stroke Oil has been specifically designed and tested in KYMCO ATV and is a proper oil.

Chain

Check the general condition of the chain and check the chain slack before every ride.

Lubricate and adjust the chain as necessary.

(See pages 118~120 for details.)

Throttle lever

Check to see that the throttle lever operates correctly. It must open smoothly and spring back to idle position when released. Repair as necessary for proper operation.

Fittings and fasteners

Always check the tightness of chassis fittings and fasteners before a ride. Take the machine to a KYMCO dealer or refer to the Service Manual for correct tightening torque.

Lights

Check the position light and taillight/stop light to make sure they are in working condition. Repair as necessary for proper operation.

Switches

Check the operation of the taillight/stop light switch, engine stop switch, remote engine stop switch and any other switches.

Repair as necessary for proper operation.

Tires

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV with improper tires, or with improper or uneven tire pressure.

WHAT CAN HAPPEN

Use of improper tires on this ATV, or operation of this ATV with improper or uneven tire pressure, may cause loss of control, increasing your risk of accident.

HOW TO AVOID THE HAZARD

1.The tires listed below have been approved by Kwang Yang Motor Co., Ltd. for this model. Other tire combinations are not recommended.

	Size		Type
	MAXXER 50	MAXXER 90	
Front	16*8-7	18*7-8	TUBELESS
Rear	16*8-7	18*9-8	TUBELESS

2.The tires should be set to the recommended pressure:

- **Recommended tire pressure**
  Front: 25 kpa (0.25 kgf/cm^2, 3.6 psi)
  Rear: 25 kpa (0.25 kgf/cm^2, 3.6 psi)
- **Check and adjust tire pressures when the tires are cold.**
- **Tire pressures must be equal on both sides.**

3.Tire pressure below the minimum specified could cause the tire to dislodge from the rim under severe riding conditions.

The following are minimums:

Front: 22 kpa (0.22 kgf/cm^2, 3.2 psi)

Rear: 22 kpa (0.22 kgf/cm^2, 3.2 psi)

4.Never set tire pressure over the recommended

Front: 28 kpa (0.28 kgf/cm^2, 40 psi)

Rear: 28 kpa (0.28 kgf/cm^2, 40 psi)

Higher pressures may cause the tire to burst. Inflate the tires very slowly and carefully. Fast inflation could cause the tire to burst.

How to measure tire pressure

Use the low-pressure tire gauge.

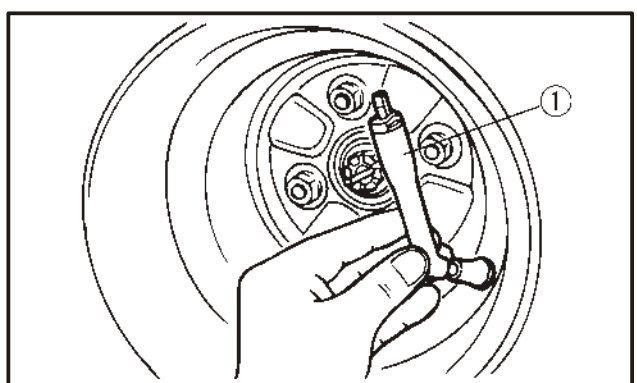
NOTE:

The low-pressure tire gauge is included as standard equipment. Make two measurements of the tire pressure and use the second reading. Dust or dirt in the gauge could cause the first reading to be incorrect.

Set pressure tires cold.

Set tire pressures to the following

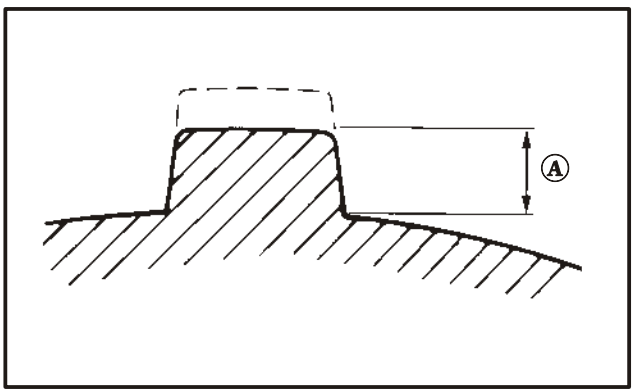
	Recommended pressure	Minimum	Maximum
Front	25 kpa (0.25 kgf/cm^2, 3.6 psi)	22 kpa (0.22 kgf/cm^2, 3.2 psi)	28 kpa (0.28 kgf/cm^2, 4.0 psi)
Rear	25 kpa (0.25 kgf/cm^2, 3.6 psi)	22 kpa (0.22 kgf/cm^2, 3.2 psi)	28 kpa (0.28 kgf/cm^2, 4.0 psi)



(1) Low-pressure tire gauge

Tire wear limit

When the tire groove decreases to 3 mm (0.12 in) due to wear, replace the tire.



A. 3mm (0.12 in)

OPERATION

⚠ WARNING

POTENTIAL HAZARD

Operating ATV without being familiar with all controls.

WHAT CAN HAPPEN

Loss of control, which could cause an accident or injury.

HOW TO AVOID THE HAZARD

Read the Owner's Manual carefully. If there is a control or function you do not understand, ask your KYMCO dealer.

Starting a cold engine (MAXXER 90)

⚠ WARNING

POTENTIAL HAZARD

Freezing control cables in cold weather.

WHAT CAN HAPPEN

You could be unable to control the ATV, which could lead to an accident or collision.

HOW TO AVOID THE HAZARD

When riding in cold weather, always make sure all control cables work smoothly before you begin riding.

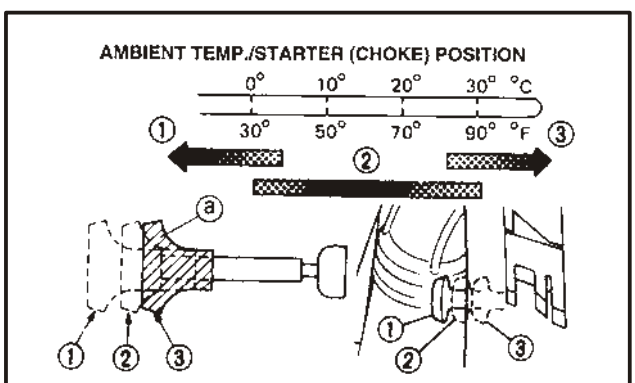
1. Select a level surface and lock the parking brake (see page 32 or 33) before starting the engine.
2. Turn the fuel lock to "ON".
3. Turn the main switch to " · " and the engine stop switch to "".
4. Make sure the tethered road lead is installed into the remote engine stop switch.

5. Use the starter (choke) in reference to the figure:

Position ①:Cold engine start-ambient temperature below 5C (40F).

Position ②:Cold engine start-ambient temperature at 0C (30F)~30C(90F) and warming up position.

Position ③:Cold engine start-ambient temperature above 25C(80F) and warm engine start position.



1. Fully open
2. Half open
3. Closed
a. Starter (choke)

6.With the throttle closed, push the starter button. Release the starter button as soon as the engine starts.

NOTE:

Do not use the electric starter for more than 5 seconds at a time. Release the starter button for approximately 10 seconds before pressing it again.

7. If the engine is started with the starter (choke) in position , the starter (choke) should be returned to position to warm up the engine. If the engine is started with the starter (choke) in position , keep the starter (choke) in this position to warm up the engine.
8. Continue warming up the engine until it idles smoothly and return the starter (choke) to position before riding.

CAUTION:

See the "engine break-in section prior to operating engine for the first time.

To start the engine without the electric starter.

1. Follow steps 1 through 5.
2. With the throttle closed, operate the kick starter with a rapid, continuous motion.

CAUTION:

- Do not allow the kick starter to snap back freely against the pedal stop as engine case damage could result.
- Raise the kick starter pedal after the kick starter lever is returned to the stop.

3. Follow steps 7 through 8.

Starting a warm engine (MAXXER 90)

To start a warm engine, refer to the "Starting a cold engine" section. The starter (choke) should not be used. The throttle should be opened slightly.

Warming up (MAXXER 90)

To get maximum engine life, always warm up the engine before starting off. Never accelerate hard with a cold engine! To see whether or not the engine is warm, check if it responds to the throttle normally with the starter (choke) turned off.

CAUTION:

- Do not operate the throttle (open and close rapidly) as the ATV will move forward suddenly, causing possible loss of control.
- Do not leave the ATV unattended while the engine is warming up

Starting engine (MAXXER 50)

⚠ WARNING

POTENTIAL HAZARD
Freezing control cables in cold weather.

WHAT CAN HAPPEN
You could be unable to control the ATV, which could lead to an accident or collision.

HOW TO AVOID THE HAZARD
When riding in cold weather, always make sure all control cables work smoothly before you begin riding.

1. Select a level surface and lock the parking brake (see page 32 or 33) before starting the engine.
2. Turn the fuel lock to "ON".
3. Turn the main switch to " · " and the engine stop switch to "".
4. Make sure the tethered road lead is installed into the remote engine stop switch.
5. With the throttle closed, push the starter button. Release the starter button as soon as the engine starts.

NOTE:

Do not use the electric starter for more than 5 seconds at a time. Release the starter button for approximately 10 seconds before pressing it again.

6. Be sure to keep the throttle closed and the parking brake locked while starting and warming up the engine.
7. Allow the engine warm up before riding.

CAUTION:

- Do not operate the throttle (open and close rapidly) as the ATV will move forward suddenly, causing possible loss of control.
- Do not leave the ATV unattended while the engine is warming up

To start the engine without the electric starter.

1. Follow steps 1 through 4.
2. With the throttle closed, operate the kick starter with a rapid, continuous motion.

CAUTION:

- Do not allow the kick starter to snap back freely against the pedal stop as engine case damage could result.
- Raise the kick starter pedal after the kick starter lever is returned to the stop.

3. Follow steps 6 through 7.

If you cannot restart a warm engine:

1. Follow steps 1 through 4.
2. Open the throttle slightly (1/8－1/4) while starting the engine . If the throttle limiter Is adjusted as delivered, open the throttle fully.

Engine break-in

There is never a more important period in the life of your machine than the period between zero and 20 hours.

For this reason, we ask that you carefully read the following material. Because the engine is brand new, you must not put an excessive load on it for the first 20 hours, the various parts in the engine wear and polish themselves to the correct operating clearances.

During this period, prolonged full throttle operation or any condition which might result in excessive engine heating must be avoided. However, momentary (2~3 seconds maximum) full throttle operation under load does not harm the engine.

Each full throttle acceleration sequence should be followed with a substantial rest period for the engine by cruising at lower r/min so the engine can rid itself of the temporary build up of heat.

If any abnormality is noticed during this period, consult a KYMCO dealer.

1. 0~10 hours:

   Avoid continuous operation above half throttle. Allow a cooling off period of five to ten minutes after every hour of operation. Vary the speed of the machine from time to time. Do not operate it at full throttle position.

2. 10~20 hours:

   Avoid prolonged operation above 3/4 throttle. Rev the machine freely through the gears but do not use full throttle at any time.

3. After break-in

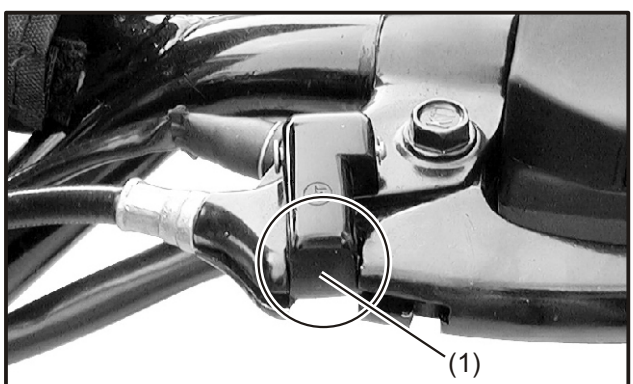
   Avoid prolonged full throttle operation. Vary speeds occasionally.

Parking (MAXXER 50)

When parking, stop the engine. Turn the fuel lock to "OFF" and apply the parking brake.

Make sure the lock plate into the locked position.

To set the parking brake, see page 32.



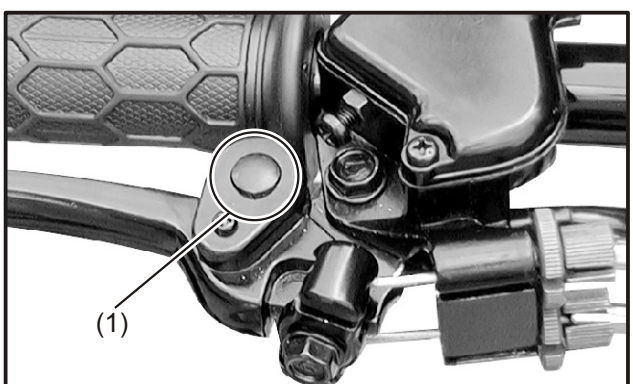
(1)Locked position

Parking (MAXXER 90)

When parking, stop the engine. Turn the fuel lock to "OFF" and apply the parking brake.

Make sure the lock pin into the locked position.

To set the parking brake, see page 33.



(1)Locked position

Parking on a slope

⚠ WARNING

POTENTIAL HAZARD

Parking on a slope or other incline.

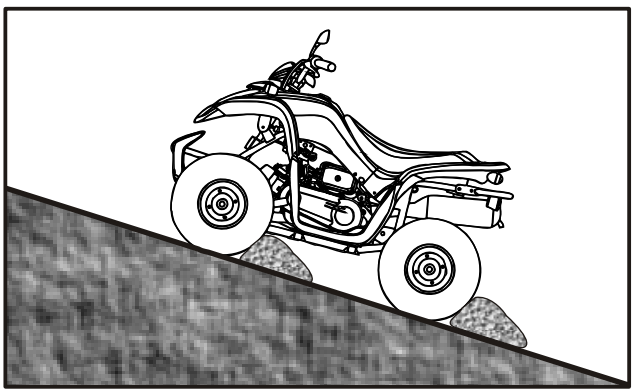
WHAT CAN HAPPEN

The ATV could roll out of control, increasing the chance of an accident.

HOW TO AVOID THE HAZARD

Avoid parking on slope or other inclines. If you must park on an incline, place the machine transversely across the incline, apply the parking brake, and block the front and rear wheels with rocks or other objects. Do not park the ATV at all on slope that are so steep you could not walk up them easily.

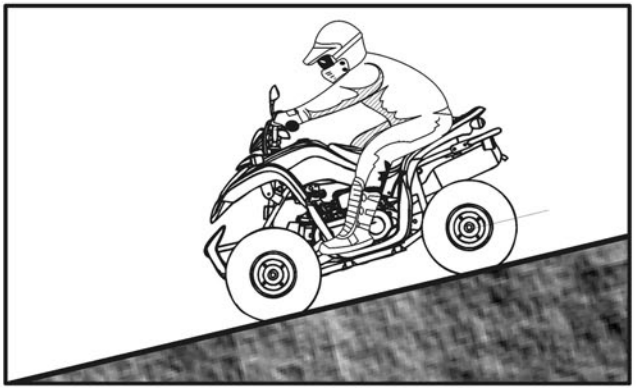
1. Bring the machine to a stop by applying the brakes.
2. Stop the engine.
3. With the brake applied, apply the parking brake.

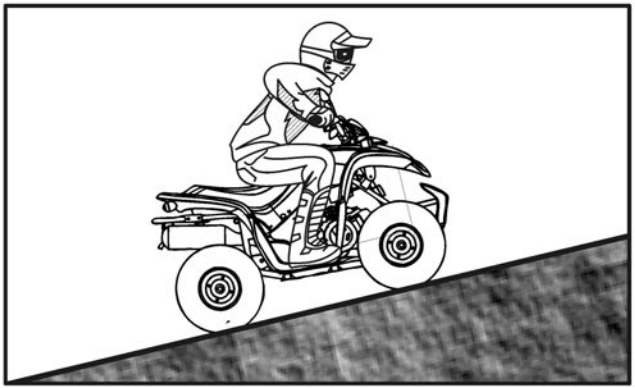


Accessories

Accessories can affect the handling and control of your ATV. Keep the following in mind when considering an accessory or operating an ATV which has accessories.

- Choose only accessories designed for your ATV. Your KYMCO dealer has a variety of genuine KYMCO accessories. Other accessories may also be available on the market. However, it is not possible for KYMCO to test all non-KYMCO accessories, nor have any control over the quality or suitability of them. Choose a genuine KYMCO accessory, or one that is equivalent in design and quality.
- Accessories should be rigidly and securely mounted. An accessory which can shift position or come off while you are riding could affect your ability to control the ATV.
- Do not mount an accessory where it could interfere with your ability your to control the ATV. Examples include (but are not limited to) a heavy or bulky object attached to the handlebars which could make steering difficult, an accessory that limits your ability to move around on the seat, or one that limits your view.
- Use extra caution when riding an ATV with accessories. The ATV may handle differently





Riding Your ATV

⚠ WARNING

Indicates a potential hazard that could result in serious injury or death.

GETTING TO KNOW YOUR ATV

This ATV is for recreation and utility use. This section, riding your ATV, provides general ATV riding instructions for recreational riding. The skills and techniques described in this section, however, are appropriate for all types of riding. Riding your ATV requires special skills acquired through practice over a period of time. Take the time to learn the basic techniques well before attempting more difficult maneuvers.

Riding your new ATV can be a very enjoyable activity, providing you with hours of pleasure. But it is essential to familiarize yourself with the operation of the ATV to achieve the skill necessary to enjoy riding safely. Before you begin to ride, be sure you have read this Owner's manual.

Manual completely and understand the operation of the controls. Pay particular attention to the safety information on pages 4~8. Please also read all caution and warning labels on your ATV.

RIDE WITH CARE AND GOOD JUDGEMENT

Get training if you are inexperienced.
Beginners and inexperienced riders should get proper instruction on how to operate this ATV.

⚠ WARNING

POTENTIAL HAZARD
Operating this ATV without proper instruction.

WHAT CAN HAPPEN
The risk of an accident is greatly increased if the operator does not know how to operate the ATV properly in different situations and on different types of terrain.

HOW TO AVOID THE HAZARD
Become familiar with this ATV at slow speeds first, even if you are an experienced operator.
Do not attempt to operate at maximum performance until you are totally familiar with the machine's handling and performance characteristics.

Riding your machine requires skills acquired through practice over a period of time.
Take the time to learn the basic techniques well before attempting more difficult maneuvers.

Age Recommendation (MAXXER 50)

The minimum recommended age for this ATV model is 6. For safety, never let children under 6 years old operate this vehicle. Children under 16 should be supervised by an adult.

⚠ WARNING

POTENTIAL HAZARD
Failure to follow the age recommendations for this ATV.
Failure to supervise children under 16 on ATV models intended for their use.

WHAT CAN HAPPEN
If children use ATVs that are not recommended for their age, severe injury or death can result.
Even though a child may be within the age group for which an ATV is recommended, he or she may not have the skills, abilities, or judgment needed to operate the ATV safely and may be involved in a serious accident.

HOW TO AVOID THE HAZARD
A child under 6 should never operate this ATV.
Never allow a child under 16 to operate an ATV without adult supervision and never allow continued use of t e ATV by a child If he or she does not have the abilities to operate it safely.

Age Recommendation (MAXXER 90)

The minimum recommended age for this ATV model is 12. For safety, never let children under 12 years old operate this vehicle. Children under 16 should be supervised by an adult.

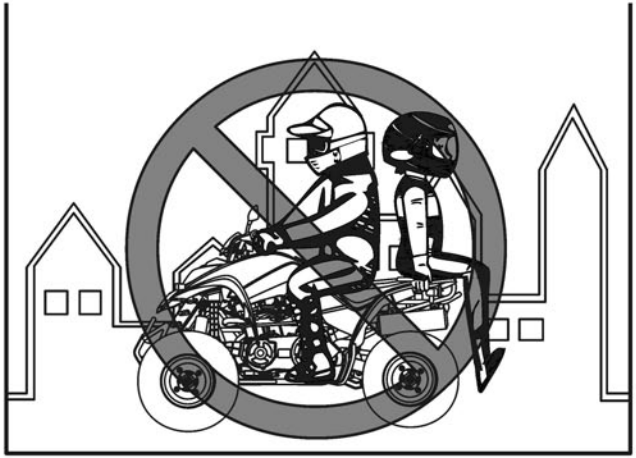
⚠ WARNING

POTENTIAL HAZARD
Failure to follow the age recommendations for this ATV.
Failure to supervise children under 16 on ATV models intended for their use.

WHAT CAN HAPPEN
If children use ATVs that are not recommended for their age, severe injury or death can result.
Even though a child may be within the age group for which an ATV is recommended, he or she may not have the skills, abilities, or judgment needed to operate the ATV safely and may be involved in a serious accident.

HOW TO AVOID THE HAZARD
A child under 12 should never operate this ATV.
Never allow a child under 16 to operate an ATV without adult supervision and never allow continued use of t e ATV by a child If he or she does not have the abilities to operate it safely.

Never carry passenger on the carrier.



⚠ WARNING

POTENTIAL HAZARD

Carrying a passenger on the carrier.

WHAT CAN HAPPEN

Greatly reduces your ability to balance and control this ATV. Could cause an accident, resulting in harm to you and/or your passenger.

HOW TO AVOID THE HAZARD

Never carry a passenger on the carrier. The carrier is to allow the operator to carry cargo. It is not for carrying passengers.

⚠ WARNING

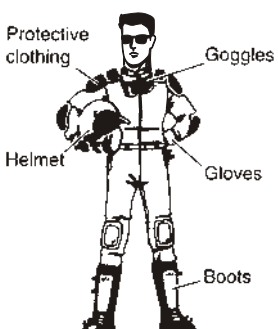
POTENTIAL HAZARD

Operating this ATV without wearing an approved motorcycle helmet, eye protection and protective clothing.

WHAT CAN HAPPEN

Operating without an approved motorcycle helmet increases your chances of a severe head injury or death in the event of an accident.

Operating without eye protection can result in an accident and increases your chances of a severe injury in the event of an accident.



Operating without protective clothing increases your chances of severe injury in the event of an accident.

HOW TO AVOID THE HAZARD

Always wear an approved motorcycle helmet that fits properly.

You should also wear:

- **eye protection(goggles or face shield)**
- **gloves**
- **boots**
- **long-sleeved shirt or jacket**
- **Long pants**

Do not operate after consuming alcohol or drugs.

Operator's performance capability is reduced by the influence of alcohol or drugs.

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV after consuming alcohol or drugs.

WHAT CAN HAPPEN

Could seriously affect your judgment.

Could cause you to react more slowly.

Could affect your balance and perception.

Could result in an accident.

HOW TO AVOID THE HAZARD

Never consume alcohol or drugs before or while driving this ATV.

Pre-operation checks

Always perform the pre-operation checks listed on page 40 before riding for safety and proper care of the machine.

⚠ WARNING

POTENTIAL HAZARD

Failure to inspect the ATV before operating.
Failure to properly maintain the ATV.

WHAT CAN HAPPEN

Increases the possibility of an accident or equipment damage.

HOW TO AVOID THE HAZARD

Always inspect tour ATV each time you use it to make sure the ATV is in safe operating condition.
Always follow the inspection and maintenance procedures and schedules described in the Owner's Manual.

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV with improper tires, or with improper or uneven tire pressure.

WHAT CAN HAPPEN

Use of improper tires on this ATV, or operation of this ATV with improper or uneven tire pressure, may cause loss of control, increasing your risk of an accident.

HOW TO AVOID THE HAZARD

Always use the size and type tires specified in the Owner's Manual for this vehicle on pages47~48.
Always maintain proper tire pressure as described in the Owner's Manual on page47.

Do not operate at speeds too fast your skills or the conditions.

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV at speeds too fast for your skills or the conditions.

WHAT CAN HAPPEN

Increases your chances of losing control of the ATV, which can result in an accident.

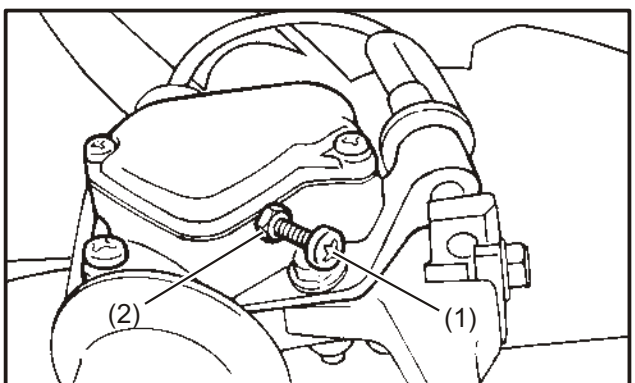
HOW TO AVOID THE HAZARD

Always go at a speed that is proper for the terrain, visibility and operating conditions, and your experience.

Speed limiter

For riders inexperienced with this model, this model is equipped with a speed limiter in the throttle lever housing. The speed limiter limits the power and top speed of the machine.

Turning the screw in decreases top speed, and turning it out increases top speed.



1. Adjuster 2. Locknut

Loading and accessories

Use extra caution when riding the machine with additional loads, such as accessories or cargo. The machine's handling may be adversely affected. Reduce your speed when adding additional loads.

Loading and Operational Guidelines

Carrying cargo will affect how your ATV handles and greatly reduce its ability in accelerating, braking and making turns and other maneuvers.

Be sure to observe the weight limits and follow these guidelines:

1. Do not tow another vehicle.
2. Make sure all cargo is secured before riding.
3. Allow extra room for starting, stopping and turning whenever you carry cargo or pull a trailer.
4. Avoid riding on steep slopes when carrying cargo or pilling a trailer.
5. Never cross a slope when toeing a trailer.

⚠ WARNING

POTENTIAL HAZARD

Overloading this ATV or carrying or towing cargo improperly.

WHAT CAN HAPPEN

Could cause changes in vehicle handling, stability and braking which could lead to an accident.

HOW TO AVOID THE HAZARD

Never exceed the stated load capacity for this ATV.

Cargo should be properly distributed and securely attached.

Reduce speed when carrying cargo or pulling a trailer. Allow greater distance for braking.

Always follow the instructions in your Owner's Manual for carrying cargo or pulling a trailer.

Accessories

Genuine KYMCO accessories have been specifically designed for and tested on this vehicle. Because KYMCO cannot test all other accessories, you are personally responsible for properly selecting, installing, and using non-KYMCO accessories. Always follow the loading instructions above, plus the following:

1. Carefully inspect the accessory to make sure it does not block any lights, reduce ground clearance, or limit suspension travel, steering travel, or other controls.
2. Make sure the accessory does not interfere with your ability to shift body position on the seat or operate hand and foot controls.
3. Do not add electrical equipment that will exceed the vehicle's electrical system capacity. A blown fuse could cause a loss of lights or engine power.

Modifications

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV with improper modifications.

WHAT CAN HAPPEN

Improper installation of accessories or modification of this vehicle may cause changes in handling which in some situations could lead to an accident.

HOW TO AVOID THE HAZARD

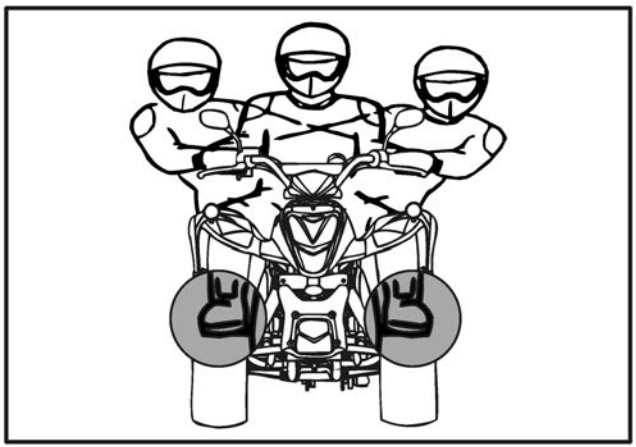
Never modify this ATV through improper installation or use of accessories. All parts and accessories added to this vehicle should be genuine KYMCO or equivalent components designed for use on this ATV and should be installed and used according to instruction. If you have question, consult an authorized ATV dealer.

No Modifications

Modifying this ATV or removing original equipment may render the vehicle unsafe or illegal. Spark arresters and mufflers are required in most areas. Don't modify your exhaust system or emission control system components. Remember, excessive noise bothers everyone and creates a bad image for ATV.

During operation

Always keep your feet on the footboards during operation. Otherwise your feet may contact the rear wheels.



⚠ WARNING

POTENTIAL HAZARD

Removing hands from handlebars or feet from footboards during operation.

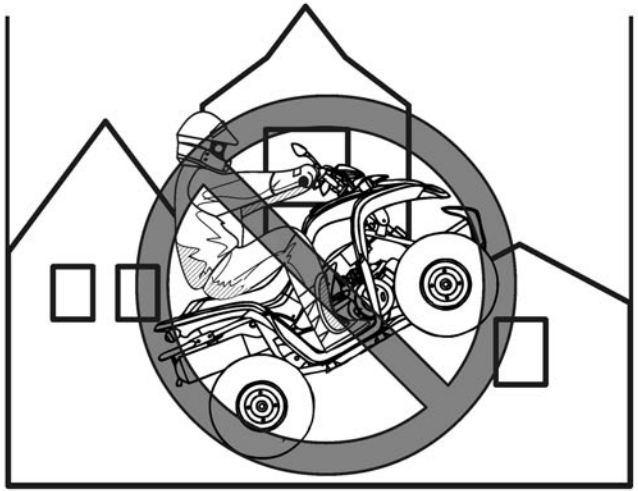
WHAT CAN HAPPEN

Removing even one hand or foot can reduce your ability to control the ATV or could cause you to lose your balance and fall a footpeg, your foot or leg may come into contact with the rear wheels, which could injure you or cause an accident.

HOW TO AVOID THE HAZARD

Always keep both hands on the handlebars and both feet on the footpegs of your ATV during operation.

Avoid wheelies and jumping. You may lose control of the machine or overturn.



⚠ WARNING

POTENTIAL HAZARD

Attempting wheelies, jumps, and other stunts.

WHAT CAN HAPPEN

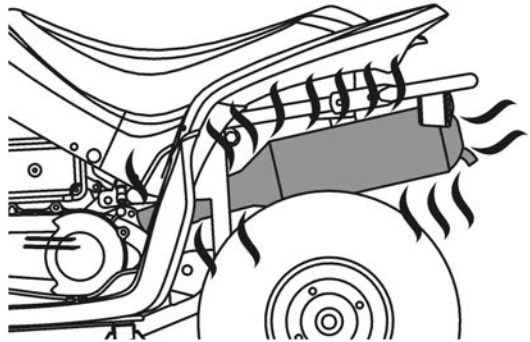
Increases the chance of an accident, including an overturn.

HOW TO AVOID THE HAZARD

Never attempt stunts, such as wheelies or jumps. Don't try to show off.

Exhaust system

The exhaust on the machine is very hot during and following operation. To prevent burns, avoid touching the exhaust system. Park the machine in a place where pedestrians or children are not likely to touch it.



⚠ WARNING

POTENTIAL HAZARD

Hot exhaust system

WHAT CAN HAPPEN

Someone touching the exhaust system during or after operation could be burned.

HOW TO AVOID THE HAZARD

Do not touch the hot exhaust system.

Do not park the machine in a place where others might be likely to touch it.

RIDING

Select a flat area to become familiar with your ATV. Make sure that this area is free of obstacles and other riders. You should practice control of the throttle, brakes, shifting before trying more difficult terrain.

Always avoid riding on rough surfaces: the ATV is designed for on-road use only, and handling maneuvers are more difficult to perform on level surfaces.

Set the parking brake and follow the instruction on page 50~54 to start the engine. Once it has warmed up you are ready to begin riding your ATV. Remember that the engine and exhaust pipe will be hot when riding and afterwards; do not allow skin or clothing to come in contact with these components.

⚠ WARNING

POTENTIAL HAZARD
Starting or running the engine in a closed area.

WHAT CAN HAPPEN
Exhaust fumes are poisonous and may cause loss of consciousness and death within a short time.

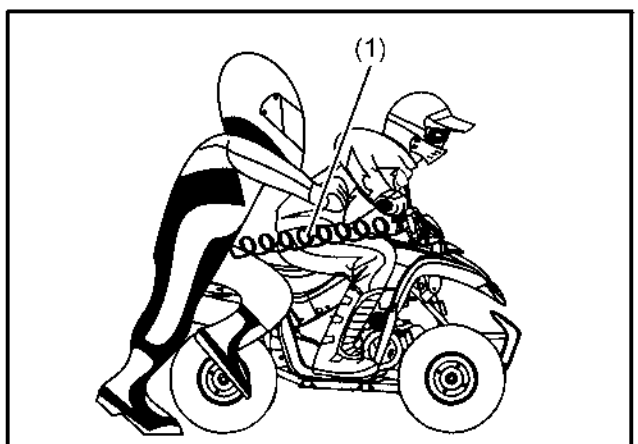
HOW TO AVOID THE HAZARD
Always operate your machine in an area with adequate ventilation.

Practice with the remote engine stop switch and throttle limiter adjusted as delivered until you are confident in braking and making turns.

Remote engine stop switch for new riders

The ATV has a remote engine stop switch (page 28). This allows the supervisor to follow close behind and stop the engine by pulling a tethered core. Practice using it when the beginner first starts riding.

Pull the tether after the ATV is moving. The ATV may continue to roll for some distance. Watch the distance until the ATV stops. Be aware that this distance must be included in the stopping space of the ATV and that this distance may increase with speed.



(1) Tethered cord

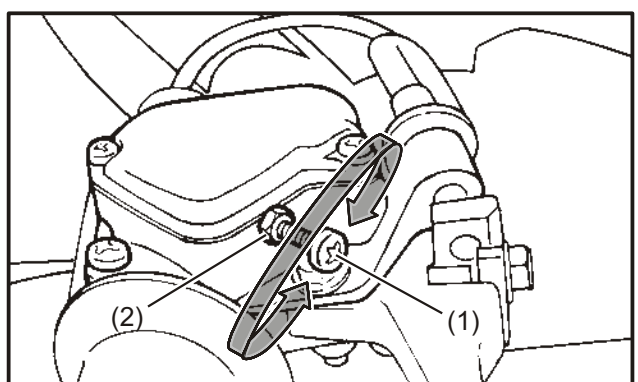
Speed limiter for new riders

Your ATV has an adjustable throttle limiter.

The screw and locknut in the lower throttle housing can be adjusted to limit throttle lever movement.

To adjust the throttle limiter:

1. Loosen the lock nut.
2. Turn the throttle limiter screw clockwise to reduce throttle lever movement or counterclockwise to increase throttle lever movement.
3. Hole the screw in place and tighten the lock nut.



1. Adjuster 2. Locknut

BRAKING

Practice starting and stopping at slow speeds. Gradually work up to faster starts and stops.

1. Steer straight ahead. Close the throttle completely, remove your thumb from the throttle lever.
2. Gently apply the brakes: pull both hand levers.

Gradually increase the lever or/and pedal pressure as you feel the brakes slowing your speed. The pressure used depends on your speed and the condition of the terrain you are riding. Slick , slippery or muddy ground requires gentler braking.

Pulling one or both brake levers or/and depressing brake pedal too hard may cause the front and/or rear wheels to skid or slide out of control. If this happens, release all pressure on the lever(s) immediately. Steer straight ahead to regain control. Then gently reapply the brakes.

Independent use of only the front or rear brakes reduces stopping performance. Extreme braking may cause the wheels to lock, reducing control of the ATV

When possible, reduce speed or brake before entering a turn. Closing the throttle or braking in mid-turn may cause wheel slippage which will reduce control of your ATV.

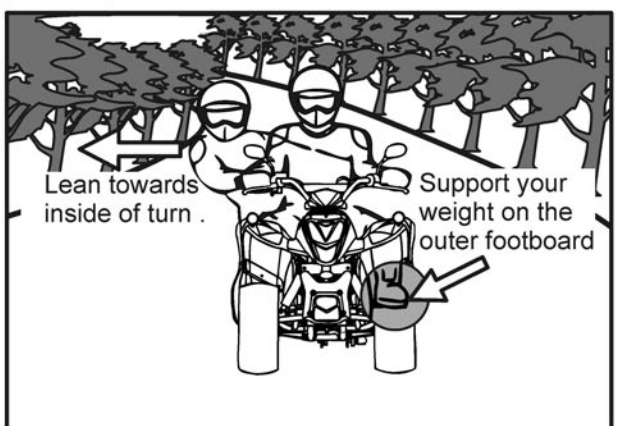
TURNING YOUR ATV

To achieve maximum traction while riding on-road, the two rear wheels are mounted solidly on one axle and turn together at the same speed. Therefore, unless the wheel on the inside of the turn is allowed to slip or lose some traction, the ATV will resist turning.

When approaching a corner or turn, close the throttle fully, and slow the ATV down by applying both front and rear brakes at the same time.

As you do so, put your weight on the footboard to the outside of the turn (opposite your desired direction) and lean your upper body into the turn.

After completing the turn, open the throttle gradually to accelerate the ATV.



⚠ WARNING

POTENTIAL HAZARD

Turning improperly

WHAT CAN HAPPEN

ATV could go out of control, causing a collision or overturn.

HOW TO AVOID THE HAZARD

Always follow proper procedures for turning as described in this Owner's Manual.

Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at speeds too fast for your skills or the conditions.

Do not turn at excessive speeds.

CLIMBING UP SLOPE

Use proper riding techniques to avoid vehicle overturns on slopes. Be sure that you can maneuver your ATV well on flat ground before attempting any incline and then practice riding first on gentle slopes. Try more difficult climbs only after you have developed your skill. In all cases avoid inclines with slippery or loose surfaces, or obstacles that might cause you to lose control.

⚠ WARNING

POTENTIAL HAZARD

Operating on excessively steep slopes.

WHAT CAN HAPPEN

The vehicle can overturn more easily on extremely steep slopes than on level surfaces or small slopes.

HOW TO AVOID THE HAZARD

Never operate the ATV on slopes too steep for the ATV or for your abilities.

Practice on smaller slopes before attempting large slopes.

It is important when climbing a slope to make sure that tour weight is transferred forward on the ATV. This can be accomplished by leaning forward, steeper inclines and standing on the footboards and leaning forward over the handlebars.

⚠ WARNING

POTENTIAL HAZARD

Climbing slopes improperly

WHAT CAN HAPPEN

Could cause loss of control or cause the ATV to overturn.

HOW TO AVOID THE HAZARD

Always follow proper procedures for climbing slopes as described in this Owner's Manual.

Always check the terrain carefully before you start up any slope.

Never climb slopels with excessively slippery or loose surfaces.

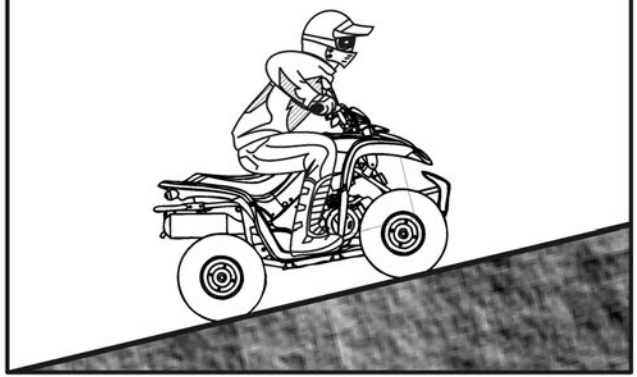
Shift your weight forward.

Never open the throttle suddenly.

The ATV could flip over backwards.

Never go over the top of any slope at high speed.

An obstacle or a sharp drop could be on the other side of the slope.



If you are climbing a slope and you find that you have not properly judged your ability to make it to the top, you should turn the ATV around while you still have forward motion (provided you have the room to do so) and go down the slope.

⚠ WARNING

POTENTIAL HAZARD

Improperly crossing slopes or turning on slopes.

WHAT CAN HAPPEN

Could cause loss of control or cause the ATV to overturn.

HOW TO AVOID THE HAZARD

Never attempt to turn the ATV around on any slope until you have mastered the turning technique as described in the Owner's Manual on level ground. Be very careful when turning on any slope.

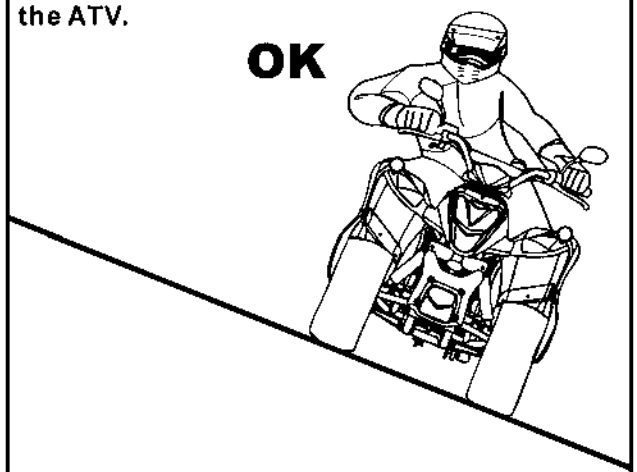
Avoid crossing the side of a steep slope if possible.

When crossing the side of a slope:

Always follow proper procedures as described in the Owner's Manual.

Avoid slopes with excessively slippery or loose surfaces.

Shift your weight to the up of slope side of the ATV.



If your ATV has stalled or stopped and you believe you can continue up the slope, restart carefully to make sure you do not lift the front wheels which could cause you to lose control. If you are unable to continue up the slope, dismount the ATV on up slope side. Physically turn the ATV around and then descend the slope.

If you start to roll backwards, DO NOT use the rear brake to stop. The ATV could easily tip over backwards. Instead, dismount the ATV immediately on the up of slope side.

⚠ WARNING

POTENTIAL HAZARD
Stalling, rolling backwards or improperly dismounting while climbing a slope.

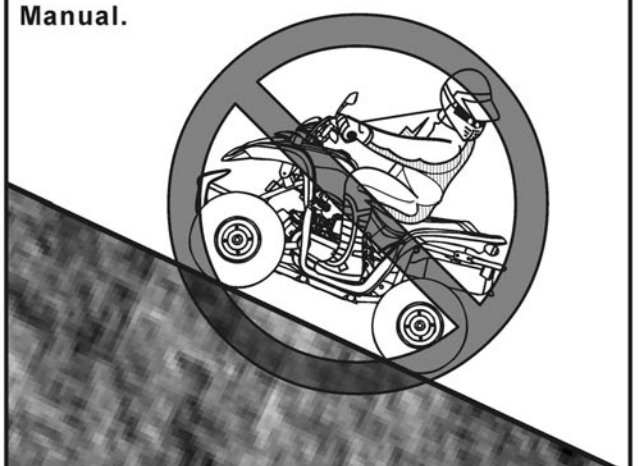
WHAT CAN HAPPEN
Could result in ATV overturning.

HOW TO AVOID THE HAZARD
Maintain steady speed when climbing a slope.

If you lose all forward speed:
Keep weight up slope.
Apply the brakes.
Lock parking brake, after you are stopped.

If you begin rolling backwards:
Keep weight up slope.
Never apply the rear brake while rolling backwards.

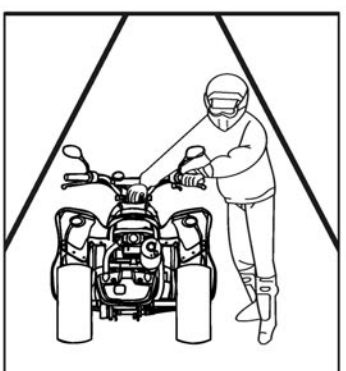
Apply the front brake.
When fully stopped, apply rear brake as well, and then lock parking brake.
Dismount on up slope side or to a side if pointed straight up slope. Turn the ATV around and remount, following the procedure described in the Owner's Manual.

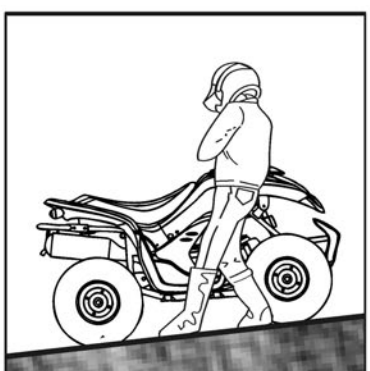


If the slope is not too steep and you have good footing, you may be able to walk the ATV back down the slope. Make sure your intended path is clear in case you lose control of the ATV . If you decide you can walk the ATV safely:

1. Stand with your body facing downslope, beside the vehicle so you can reach the front brake lever with your left hand.
2. Be sure your legs are clear of the wheels.
3. Check your footing.
4. Then slowly and carefully back the ATV down the slope using the front brake lever to control speed.
5. If you lose control of the ATV, for your safety, get away from the vehicle,

If the slope is too steep or too slippery, or if you have any doubt whether you can safely walk the ATV back down the slope, leave the vehicle where it is and get help. If possible, block the wheels so the vehicle won't roll backwards.





RIDING DOWN SLOPE

When riding your ATV down slope, shift your weight as far to the rear and up slope side of the ATV as possible. Move back on the seat and sit with your arms straight. Improper braking may cause a loss of traction.

Use caution while descending a slope with loose or slippery surfaces. Braking ability and traction may be adversely affected by these surfaces.

Improper braking may also cause a loss of traction. Whenever possible, ride your ATV straight down slope. Avoid sharp angles which could allow the ATV to tip or roll over. Carefully choose your path and ride no faster than you will be able to react to obstacles which may appear.

⚠ WARNING

POTENTIAL HAZARD

Going down a slope improperly.

WHAT CAN HAPPEN

Could cause loss of control or cause the ATV to overturn.

HOW TO AVOID THE HAZARD

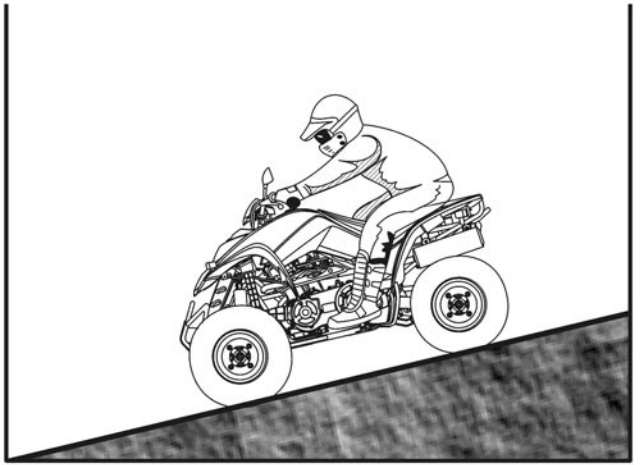
Always follow proper procedures for going down slopes as described in this Owner's Manual. Note: a special technique is required when braking as you go down a slope.

Always check the terrain carefully before you start down any slope.

Shift your weight backward.

Never go down a slope at high speed.

Avoid going down a slope at an angle that would cause the vehicle to lean sharply to one side. Go straight down the slope where possible.



PARKING

Always choose a level place to park. After bringing your ATV to a stop, hold the brakes. Then set the parking brake and turn the ignition switch OFF. If you're through riding for the day, also turn the fuel valve OFF.

WHAT TO DO IF

This section is designed to be a reference guide only. Be sure to read each section on riding techniques completely.

WHAT TO DO....

If your ATV doesn't turn when you want it to:

Bring the ATV to a stop and practice the turning maneuvers again. Be sure you are putting your weight on the footboard to the outside of the turn. Position your weight over the front wheels for better control. (See pages 79.)

If your ATV can't make it up a slope you are trying to climb:

Turn the ATV around if you still have forward speed. If not, stop, dismount on the up slope side of the ATV and physically turn the ATV around. If the ATV starts to slip backwards DO NOT USE THE REAR BRAKE - the ATV may tip over on top of you. Dismount the ATV on the up slope side. (See pages 80~85.)

PERIODIC MAINTENANCE AND ADJUSTMENT

Periodic inspection, adjustment and lubrication will keep your machine in the safest and most efficient condition possible. Safety is an obligation of the machine owner. The most important points of machine inspection, adjustment and lubrication are explained on the following pages.

⚠ WARNING

POTENTIAL HAZARD

Servicing an engine while it is running.

WHAT CAN HAPPEN

Moving parts can catch clothing or parts of the body, causing injury.

Electrical components can cause shocks or can start fires.

HOW TO AVOID THE HAZARD

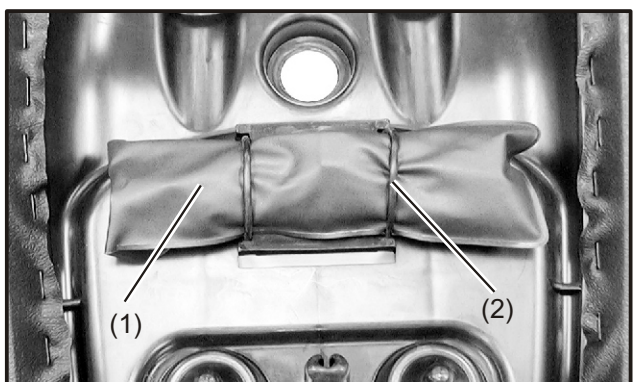
Turn off the engine when performing maintenance unless otherwise specified.

Have KYMCO dealer perform service if you are not familiar with machine service.

Tool kit

A tool kit is provide with your ATV.

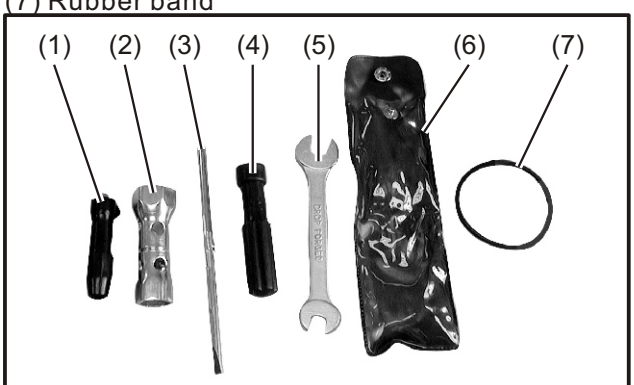
You are recommended to put the tool kit in the vinyl bag and always carry them on the seat reverse side.



(1) Tool kit (2) Rubber band

The tools in the kit are sufficient to perform routine maintenance and simple repairs. Any extensive work requiring additional tools should be performed by your authorized KYMCO dealer.

The tool kit includes the following items:
(1) Air pressure gauge
(2) Spark plug wrench
(3) Standard/Phillips screwdriver
(4) Screwdriver handle
(5) 10/12 mm wrench
(6) Tool bag
(7) Rubber band



⚠ WARNING

POTENTIAL HAZARD

Operating this ATV with improper modifications.

WHAT CAN HAPPEN

Improper installation of accessories or modification of this vehicle may cause changes in handling which in some situation could lead to an accident.

HOW TO AVOID THE HAZARD

Never modify this ATV through improper installation or use of accessories. All parts and accessories added to this vehicle should be genuine KYMCO or equivalent components designed for use on this ATV and should be installed and used according to instructions. If you have questions, consult an authorized KYMCO dealer.

PERIODIC MAINTENANCE/LUBRICATION (MAXXER 50)

ITEM	ROUTINE	INITIAL			EVERY	
		1 month	3 months	6 months	6 months	1 year
Drive chain	• Check and adjust slack/alignment/clean/lube.	○	○	○	○	○
Fuel line*	• Check fuel hose for cracks or damage. • Replace if necessary.			○	○	○
Transmission oil	• Check oil level/oil leakage. • Replace every 12 months.	○				○
V-belt*	• Check operation. • Replace if damage or excessive wear.	○				○
Air filter element	• Clean. • Replace if necessary.	Every 20~40 hours (More often in wet or dusty areas.)				
Brake*	• Check operation and brake fluid/cable. • Replace brake pads/shoes if necessary.	○	○	○	○	○
Battery*	• Check specific gravity if necessary. • Check breather hose for proper operation if necessary. • Correct if necessary.	○	○	○	○	○
Carburetor*	• Check idle speed/starter operation. • Adjust if necessary.		○	○	○	○
Wheels*	• Check balance/damage/runout. • Replace if necessary.	○		○	○	○
Spark plug	• Check condition. • Adjust gap and clean. • Replace if necessary.	○	○	○	○	○
Exhaust system*	• Check leakage. • Retighten if necessary. • Replace gasket if necessary.			○	○	○

ITEM	ROUTINE	INITIAL			EVERY	
		1 month	3 months	6 months	6 months	1 year
Wheel bearings*	• Check bearing assembly for looseness/damage. • Replace if damaged.	○		○	○	○
Steering system*	• Check operation. • Replace if damaged. • Check toe-in. • Adjust if necessary.	○	○	○	○	○
Knuckle shafts/ Steering shaft*	• Lubricate every 6 months.			○	○	○
Fittings and Fasteners*	• Check all chassis fittings and fasteners. • Correct if necessary.	○	○	○	○	○

* : It is recommended that these items be serviced by a KYMCO dealer.

** : Lithium soap base grease.

PERIODIC MAINTENANCE/LUBRICATION (MAXXER 90)

ITEM	ROUTINE	INITIAL			EVERY	
		1 month	3 months	6 months	6 months	1 year
Engine oil	• Replace (Warm engine before draining).	○		○	○	○
Oil strainer*	• Clean. • Replace if necessary.	○		○		○
Transmission oil	• Check oil level/oil leakage. • Replace every 12 months.	○				○
V-belt*	• Check operation. • Replace if damage or excessive wear.	○				○
Air filter element (for engine and V-belt compartment)	• Clean. • Replace if necessary.	Every 20~40 hours (More often in wet or dusty areas.)				
Brake*	• Check operation and brake fluid/cable. • Replace brake pads/shoes if necessary.	○	○	○	○	○
Battery*	• Check specific gravity. • Check breather hose for proper operation. • Correct if necessary.	○	○	○	○	○
Carburetor*	• Check idle speed/starter operation. • Adjust if necessary.		○	○	○	○
Cylinder head cover breather system*	• Check breather hose for cracks or damage. • Replace if necessary.			○	○	○
Drive chain	• Check and adjust slack/alignment/clean/lube.	○	○	○	○	○
Spark plug	• Check condition. • Adjust gap and clean. • Replace if necessary.	○	○	○	○	○
Fuel line*	• Check fuel hose for cracks or damage. • Replace if necessary.			○	○	○

ITEM	ROUTINE	INITIAL			EVERY	
		1 month	3 months	6 months	6 months	1 year
Valves*	• Check valve clearance. • Adjust if necessary.	○		○	○	○
Exhaust system*	• Check leakage. • Retighten if necessary. • Replace gasket if necessary.			○	○	○
Wheels*	• Check balance/damage/runout. • Replace if necessary.	○		○	○	○
Wheel bearings*	• Check bearing assembly for looseness/damage. • Replace if damaged.	○		○	○	○
Steering system*	• Check operation. • Replace if damaged. • Check toe-in. • Adjust if necessary.	○	○	○	○	○
Knuckle shafts/ Steering shaft*	• Lubricate every 6 months.			○	○	○
Fittings and Fasteners*	• Check all chassis fittings and fasteners. • Correct if necessary.	○	○	○	○	○

* : It is recommended that these items be serviced by a KYMCO dealer.

** : Lithium soap base grease.

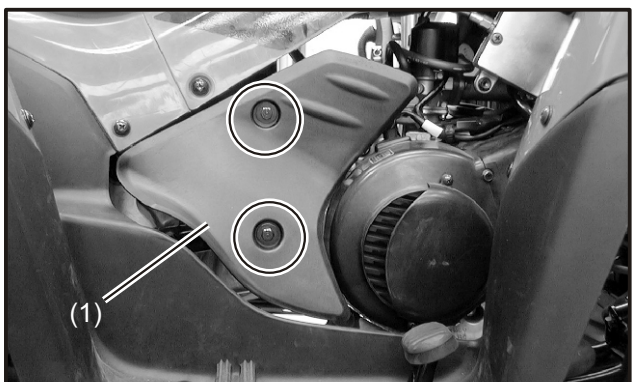
Engine oil (MAXXER 90)

1.Engine oil level measurement

A. Place the machine on a level place.

B. Warm up the engine for several minutes and stop it.

C. Remove right side cover.



(1) Right side cover

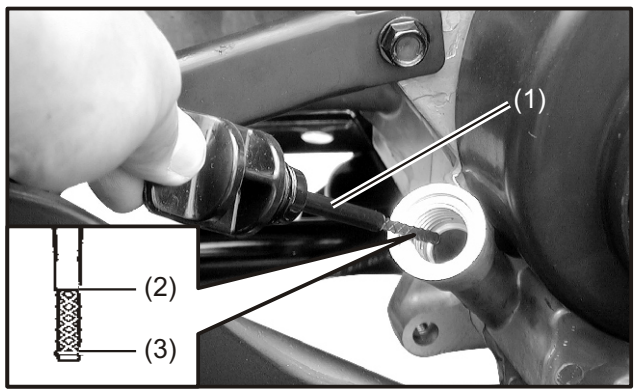
D. Remove the dipstick and wipe it off with a clean rag. Insert the dipstick in the filler hole without screwing it in.

NOTE:

Wait a few minutes until the oil level settles before checking.

E. Remove the dipstick and inspect the oil level.

F. The oil level should be between the maximum and minimum marks. If the level is low, add oil to raise it to the proper level.



(1) Dipstick/oil filler cap (2) Maximum level mark

(3) Minimum level mark

CAUTION:

Be sure no foreign material enters the crankcase.

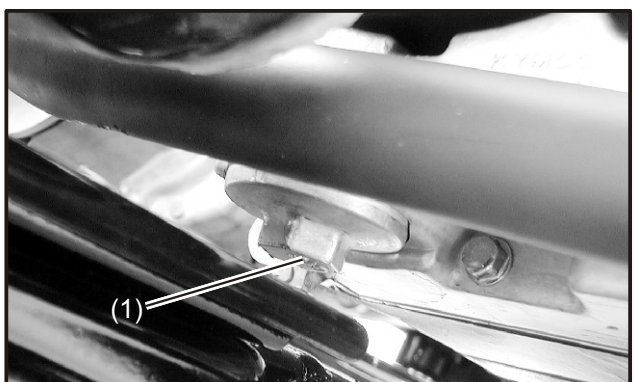
2-1. Engine oil replacement and oil filter cleaning

A. Place the machine on a level place.

B. Warm up the engine for several minutes and stop it.

C. Place a container under the engine.

D. Remove the oil filler cap and oil filter cap to drain the oil.



(1) Oil filter cap

CAUTION:

- **Be sure no foreign material enters the crankcase.**
- **When removing the drain plug, the compression spring, oil strainer and O-ring will fall out. Take care not to lose these parts.**

E. Clean the oil strainer with solvent.

F. Inspect the O-ring and replace if damaged.

G. Reinstall the O-ring, oil strainer, compression spring and drain plug. Tighten the drain plug to specification.

CAUTION:

Before reinstalling the drain plug, be sure to install the O-ring, compression spring and oil strainer.

Tightening torque:
Oil filter cap (engine):
14.7 Nm (1.5 m-kg, 10.6 ft-lb)

H. Fill the engine with oil and install the oil filler cap.

Recommended oil: see page 136.
Oil quantity:
Engine oil:
Periodic oil change:
0.7 L (0.62 Imp qt, 0.74 US qt)
Total amount:
0.8 L (0.70 Imp qt, 0.84 US qt)

CAUTION:

Be sure no foreign material enters the crankcase.

I. Warm up the engine for several minutes at idle speed. Check for oil leakage while warming up.

CAUTION:

If oil leakage is found, stop the engine immediately and check for the cause.

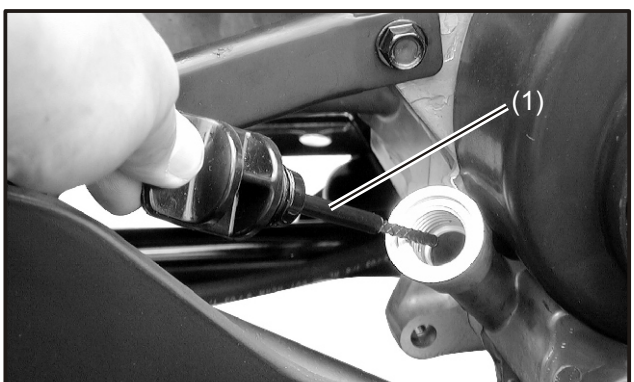
2-2. Engine oil replacement

A. Place the machine on a level place.

B. Warm up the engine for several minutes and stop it.

C. Place a container under the engine.

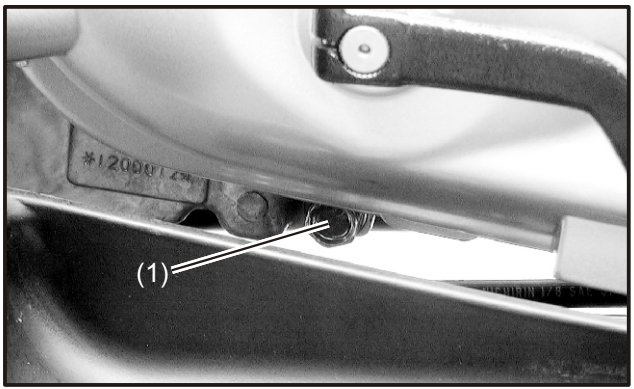
D. Remove the oil filler cap and drain plug to drain the oil.



(1) Dipstick/oil filler cap

CAUTION:

Be sure no foreign material enters the crankcase.



(1) Drain plug

E. Reinstall the drain plug and tighten the drain plug to specification.

F. Fill the engine with oil and install the oil filler cap.

G. Warm up the engine for several minutes at idle speed. Check for oil leakage while warming up.

Tightening torque:
Drain plug (engine):
30 Nm (3.0 m-kg, 21.6 ft-lb)

CAUTION:

Be sure no foreign material enters the crankcase.

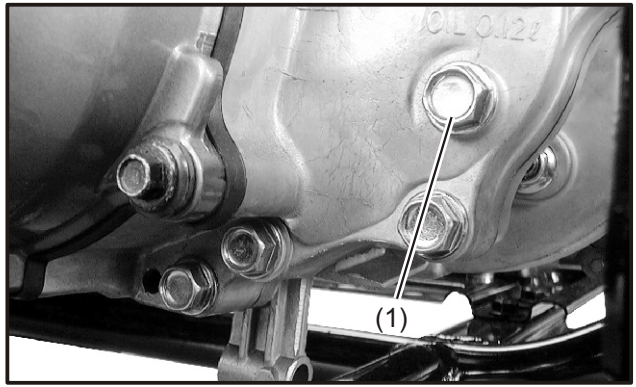
Recommended oil: see page 142.

Oil quantity: see page 142.

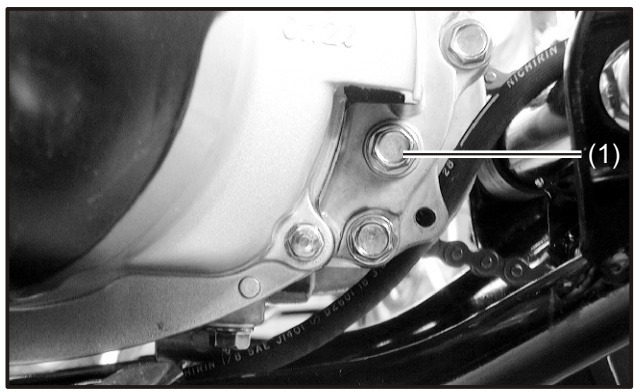
Transmission oil

1. Transmission oil measurement
   A. Place the machine on a level place.
   B. Remove the oil filler bolt and check the oil level. It should be up to the brim of the hole. If the level is low, add oil to raise it to the proper level.
   C. Reinstall the oil filler bolt and tighten to specification.

Tightening torque
Oil filler bolt:
15 Nm (1.5 m-kg, 11 ft-lb)



(1) Oil filler bolt/measurement hole (MAXXER 50)



(1) Oil filler bolt/measurement hole (MAXXER 90)

2. Transmission oil replacement

A. Place the machine on a level place.

B. Place a container under the engine.

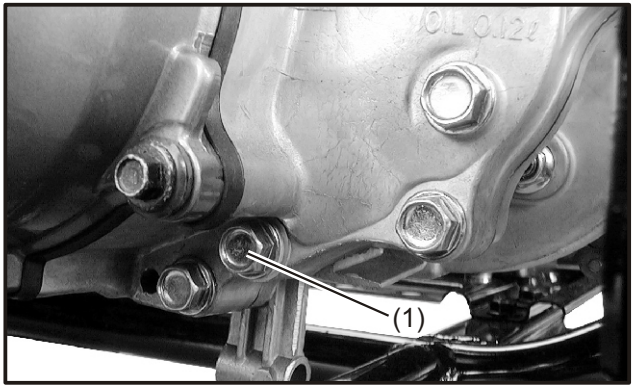
C. Remove the oil filler bolt and drain plug to drain the oil.

D. Reinstall the drain plug and tighten to Specification.

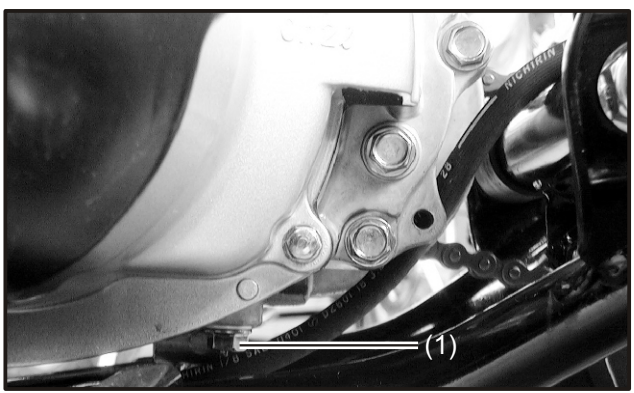
Tightening torque

Drain plug:

15 Nm (1.5 m-kg, 11 ft-lb)



1. Drain plug (MAXXER 50)



(1) Drain plug (MAXXER 90)

E. Fill the engine with oil and install the oil filler bolt.

Recommended oil : See page 138 or 142

Oil quantity:

Periodic oil change:

0.11L (0.10Imp qt, 0.12US qt)

Total amount:

0.12L (0.11Imp qt, 0.13US qt)

CAUTION:

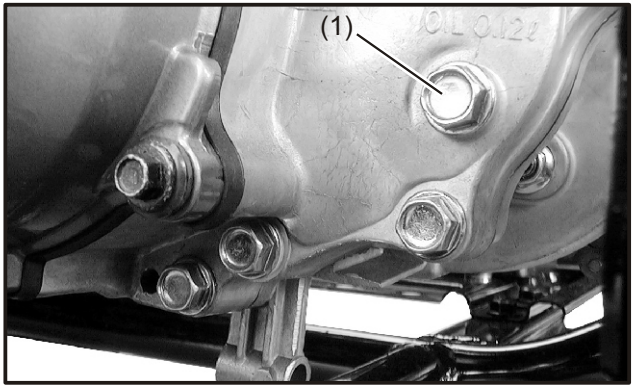
Be sure no foreign material enters the crankcase.

Tightening torque

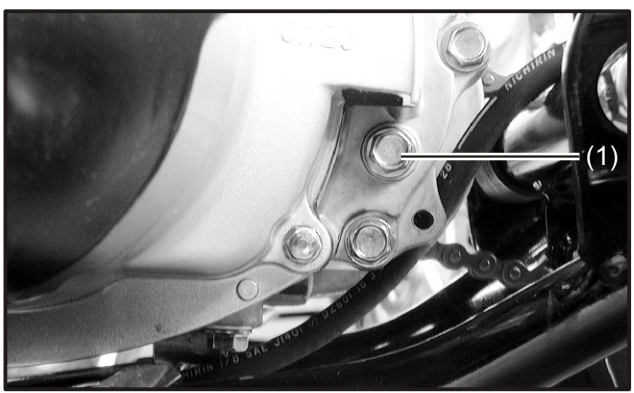
Oil filler bolt:

15 Nm (1.5 m-kg, 11 ft-lb)

F. Start the engine and warm up for a few minutes. While warming up, check for oil leakage. If oil leakage is found, stop the engine immediately and check for the cause.



1. Oil filler bolt (MAXXER 50)



(1) Oil filler bolt (MAXXER 90)

Spark plug inspection

The spark plug is an important engine component and is easy to inspect. The condition of the spark plug can indicate the condition of the engine.

For example, a very white center electrode porcelain color could indicate an intake air leak or carburetion problem for that cylinder. Do not attempt to diagnose such problems yourself. Instead, take the machine to a KYMCO dealer.

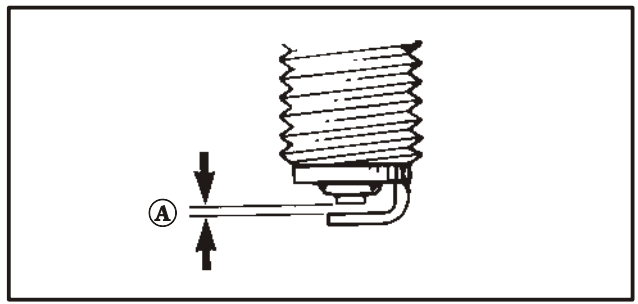
You should periodically remove and inspect the spark plug because heat and deposits will cause the spark plug to slowly break down and erode.

If electrode erosion becomes excessive, you should replace the spark plug with one of the proper type.

Standard spark plug:
MAXXER 50: NGK BR8HAS
MAXXER 90: NGK C7HSA

Before installing the spark plug, measure the electrode gap with a feeler gauge and adjust to specification.

Spark plug gap:
0.6~0.7 mm (0.024~0.028 in)



A. Spark plug gap

When installing the spark plug, always clean the gasket surface and use a new gasket. Wipe off any grime from the threads and tighten to the specified torque.

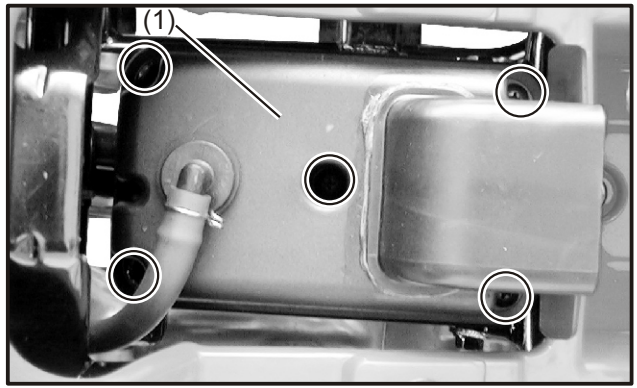
Tightening torque:
Spark plug:
12.5 Nm (1.25 m.kg, 9.1 ft.lb)

Air filter cleaning

The air cleaner accumulates dust and must be cleaned periodically. If the ATV is ridden in dusty areas, the air cleaner must be cleaned at more frequent intervals than specified in the Maintenance Schedule. If the ATV is submerged in water, the air cleaner should be checked and water should be drained from the air cleaner housing before starting the engine.

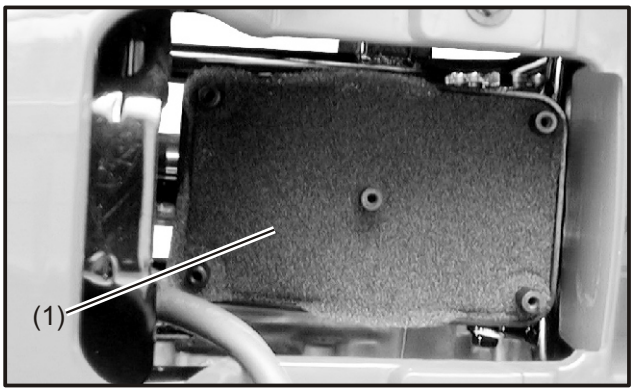
To clean the air cleaner (MAXXER 90):

1. Remove the seat. (See page 38.)
2. Remove the air filter case cover.



(1) Air filter case cover

3. Remove the air filter element, and separate it from the box.



(1) Air filter element

4. Wash the element gently but thoroughly in solvent.

⚠ WARNING

POTENTIAL HAZARD

Using low flash point solvents or gasoline to clean the air filter element.

WHAT CAN HAPPEN

Low flash point solvents or gasoline can catch fire or explode.

HOW TO AVOID THE HAZARD

Use parts cleaning solvent to clean the air filter element.

5. Squeeze the excess solvent out of the filter and let it dry.

CAUTION:

Do not twist the filter element when squeezing it.

6. Inspect the element. If damaged, replace it.
7. Apply quality foam air filter oil to the element. If foam air filter oil is not available, motor oil may be used.

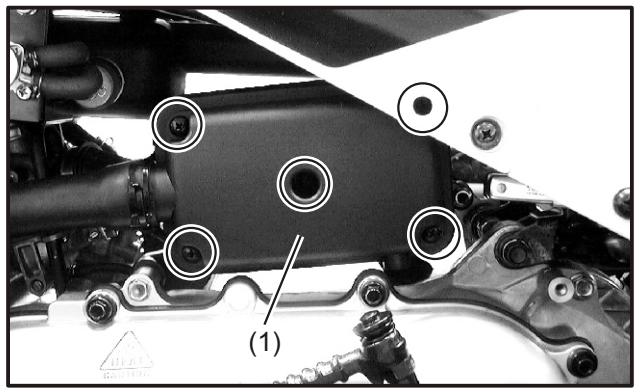
NOTE:

The element should be wet but not dripping.

8. Reinstall the element to the air filter case.
9. Reinstall the element assembly and parts removed for access.

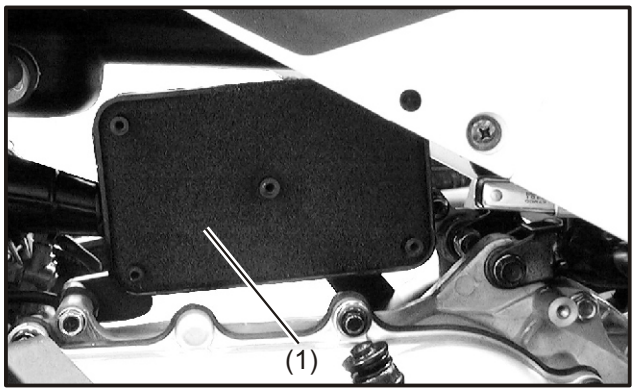
To clean the air cleaner (MAXXER 50):

1. Remove the air filter case cover.



(1) Air filter case cover

2. Remove the air filter element, and separate it from the box.



(1) Air filter element

3. Wash the element gently but thoroughly in solvent.

⚠ WARNING

POTENTIAL HAZARD

Using low flash point solvents or gasoline to clean the air filter element.

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HOW TO AVOID THE HAZARD

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4. Squeeze the excess solvent out of the filter and let it dry.

CAUTION:

Do not twist the filter element when squeezing it.

5. Inspect the element. If damaged, replace it.
6. Apply quality foam air filter oil to the element. If foam air filter oil is not available, motor oil may be used.

NOTE:

The element should be wet but not dripping.

7. Reinstall the element to the air filter case.
8. Reinstall the element assembly and parts removed for access.

Valve clearance adjustment (MAXXER 90)

The correct valve clearance changes with use, resulting in improper fuel/air supply or engine noise. To prevent this, the valve clearance must be adjusted regularly. This adjustment however, should be left to a professional KYMCO service technician.

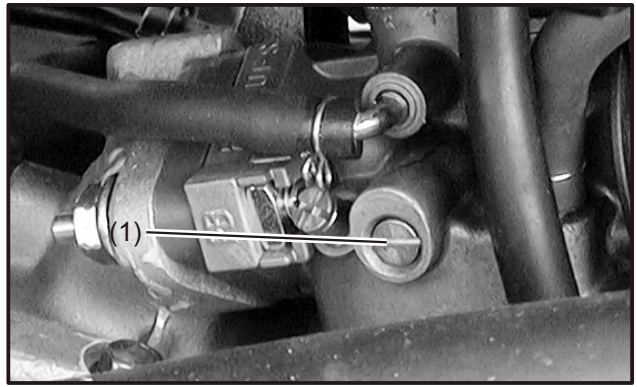
Idle speed adjustment

NOTE:

A diagnostic tachometer must be used for this procedure.

1. Start the engine and warm it up for a few minutes at approximately 1,000 to 2,000 r/min. Occasionally rev the engine to 4,000 to 5,000 r/min. The engine is warm when it quickly responds to the throttle.
2. Connect the tachometer and set the idle to the specified idling speed by adjusting the throttle stop screw. Turn the screw in to increase engine speed, and out to decrease engine speed.

Specified idle speed:
MAXXER 50: 2000 RPM
MAXXER 90: 1700 RPM



1. Throttle stop screw

Throttle lever adjustment

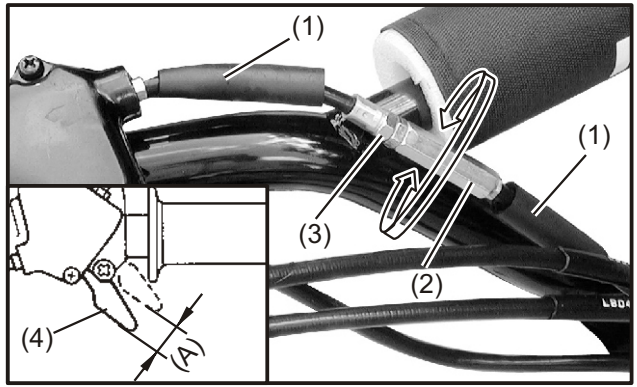
NOTE:
Adjust the engine idling speed before adjusting the throttle lever free play.

To adjust throttle free play:

1. Slide the rubber sleeves back to expose the throttle cable adjuster.
2. Loosen the lock nut, then turn the adjuster to obtain the correct free play. (1~4 mm or 0.04~0.16 in)
3. Tighten the locknut and reinstall the sleeve.

Other checks:

Check the throttle cable for kinks and signs of wear that could cause stretching or failure. Lubricate the throttle cable with a commercially available lubricant to prevent premature wear and corrosion.



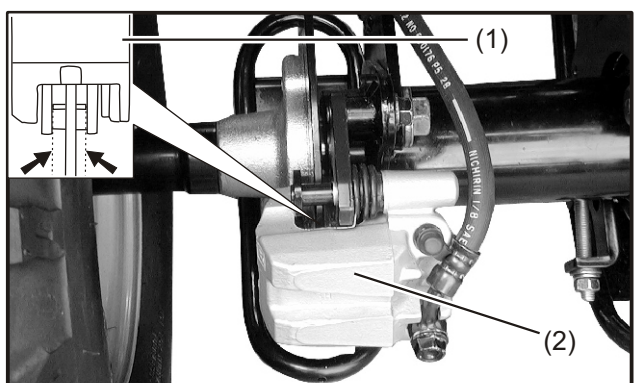
(1) Rubber sleeve (2) Cable adjuster
(3) Locknut (4) Throttle lever
(A) 1~4 mm (0.04~0.16 in)

Front and rear brake shoes (drum brake) inspection

When turn the adjusting nut fully to decrease brake lever free play and the free play and the free play exceeds the specification (1~2cm), it means the brake shoe is worn out. Go to our designated distributors or service stations for brake shoe replacing.

Rear brake pads inspection (Disk brake)

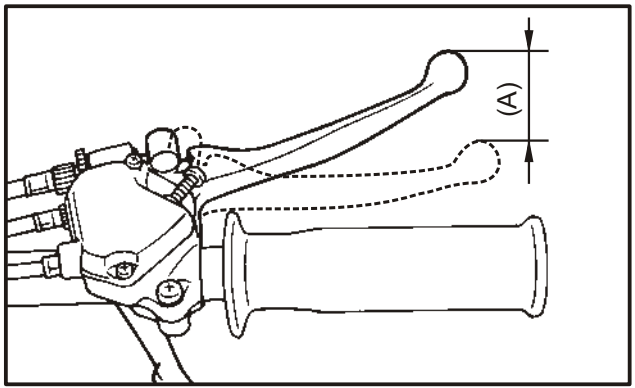
A wear indicator is provided on each brake. The indicators allows checking of brake pads wear. Check the position of the indicator. If the indicator reaches the wear limit line, ask a KYMCO dealer to replace the pads.



(1) Wear indicator (2) Rear brake

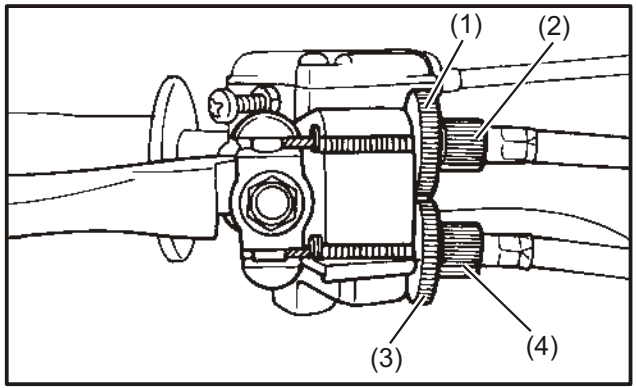
Front brake lever free play adjustment

The front brake lever free play should be adjusted to 10~20 mm (0.4~0.8 in) at the tip of the brake lever. If the free play is incorrect, adjust as follows:



(A) Free play 10~20 mm (0.4~0.8 in)

1. Loosen the upper locknut and fully turn in the adjusting bolt.



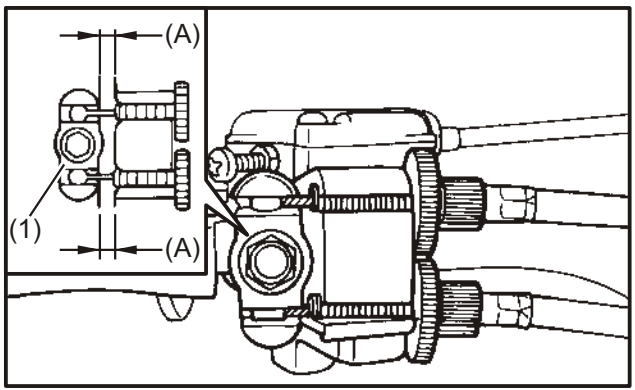
(1) Upper locknut
(2) Upper adjusting bolt
(3) Lower locknut
(4) Lower adjusting bolt

2. Loosen the lower locknut.
3. Turn the lower adjusting bolt until specified free play is obtained.

Specified free play:
10~20 mm (0.4~0.8 in)

4. Tighten the lower locknut.

5. While applying the front brake, turn out the upper adjusting bolt until the upper and lower cable lengths are equal. The cable joint will become vertical.



(1) Cable joint (A) Cable length

6. Tighten the upper locknut.

⚠ WARNING

POTENTIAL HAZARD

Operating with improperly serviced or adjusted brakes.

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident.

HOW TO AVOID THE HAZARD

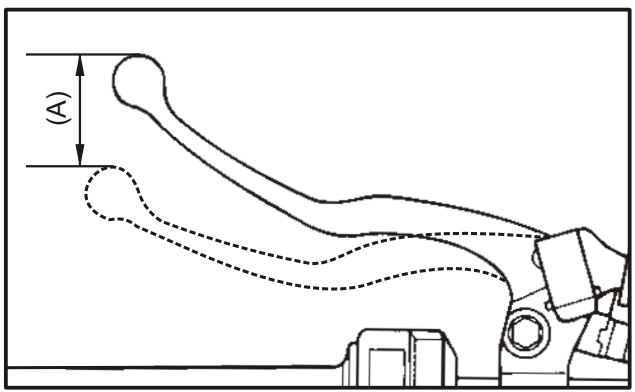
After servicing:

- **Make sure the brakes operate smoothly and that the free play is correct.**
- **Make sure the brakes do not drag.**

Replacement of brake components requires professional knowledge. These procedures should be performed by KYMCO dealer.

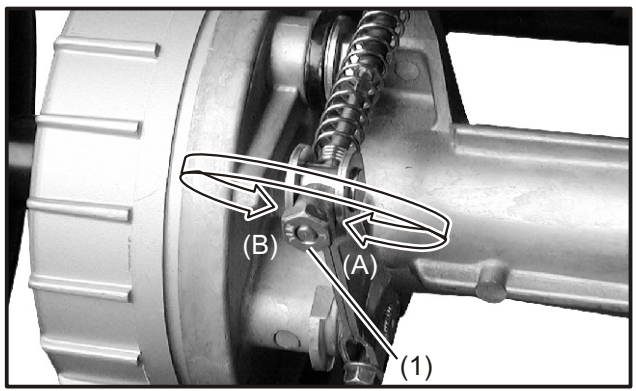
Rear brake lever free play adjustment (Drum brake)

The rear brake lever free play should be adjusted to 10~20 mm (0.4~0.8 in) at the tip of the brake lever. If the free play is incorrect, adjust as follows:



A. Free play 10~20 mm (0.4~0.8 in)

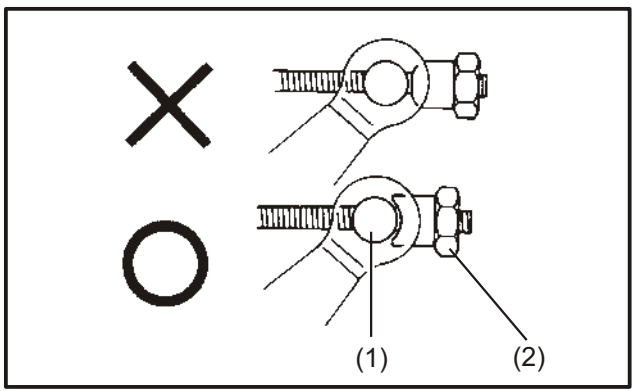
Turn the adjusting nut on the brake hub in direction A to decrease play, and in direction B to increase play.



(1) Adjusting nut
(A) Decrease play
(B) Increase play

NOTE:

Make sure the cut-out on the adjusting nut Is seated on the brake arm pin after making final free play adjustment.



(1) Arm pin (2) Adjusting nut

⚠ WARNING

POTENTIAL HAZARD

Operating with improperly serviced or adjusted brakes.

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident.

HOW TO AVOID THE HAZARD

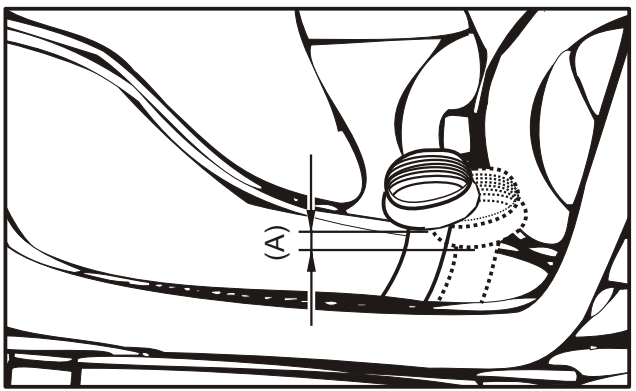
After servicing:

- **Make sure the brakes operate smoothly and that the free play is correct.**
- **Make sure the brakes do not drag.**

Replacement of brake components requires professional knowledge. These procedures should be performed by KYMCO dealer.

Brake pedal adjustment (MAXXER 90)

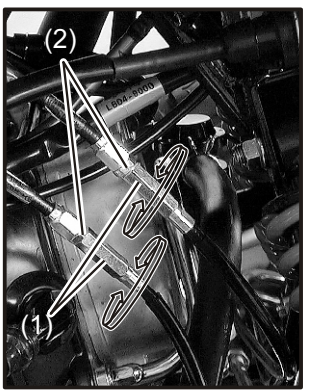
The brake pedal free play should be adjusted to 5~10 mm (0.2~0.4 in) at the brake pedal pivot. If the free play is incorrect, adjust as Follows:



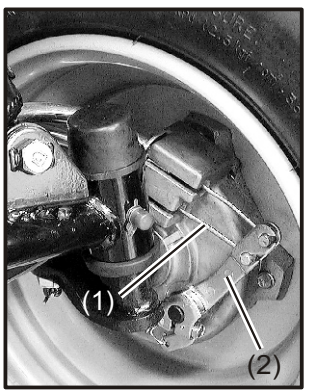
(A) 5~10 mm (0.2~0.4 in)

Adjust:

1. Keep front brake lever free play at 10~20 mm (0.4~0.8 in).
2. Loosen the locknuts. (R/L front lower brake cables)
3. Turn the adjusting bolts until the front Lower brake cables is tensed.
4. Apply the front brake lever and check front brake cam levers to make sure that the brake does not drag after adjusting.

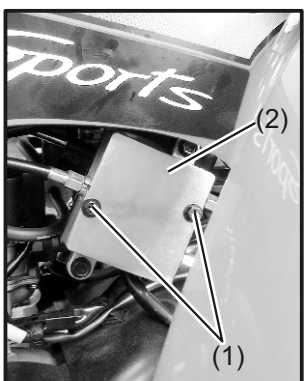


(1) Adjusting bolts
(2) Locknuts

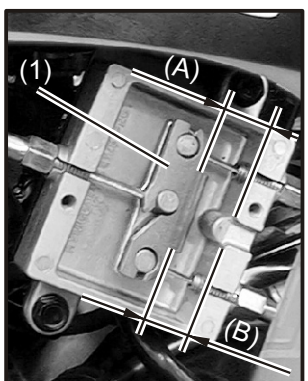


(1) R/L front lower cables
(2) Brake cam lever

5. While remove the cable joint case cover and applying the brake pedal, make sure the left and right front lower cable lengths (A and B) are equal. The cable joint will become vertical.
6. Tighten the locknuts. (R/L front lower brake



(1) Bolts
(2) Cable joint case cover

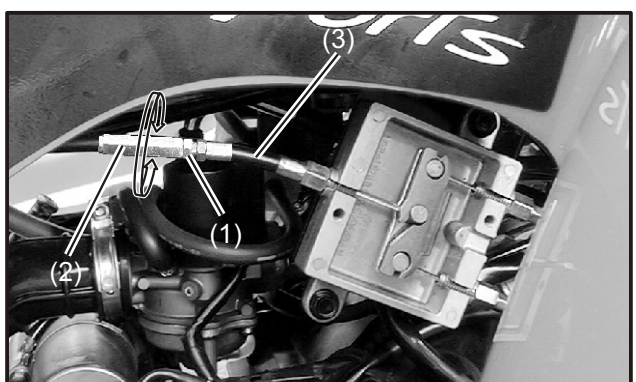


(1) Cable joint
(A) Left front lower cable length
(B) Right front lower cable length

7. Loosen the locknut. (Brake pedal cable)
8. Turn the adjusting bolt until the specified free play is obtained.

Specified free play:
5~10 mm (0.2~0.4 in)

9. Tighten the locknut. (Brake pedal cable)



(1) Locknut
(2) Adjusting bolt
(3) Brake pedal cable

⚠ WARNING

POTENTIAL HAZARD

Operating with improperly serviced or adjusted brakes.

WHAT CAN HAPPEN

You could lose braking ability, which could lead to an accident.

HOW TO AVOID THE HAZARD

After servicing:

- **Make sure the brakes operate smoothly and that the free play is correct.**
- **Make sure the brakes do not drag.**

Replacement of brake components requires professional knowledge. These procedures should be performed by KYMCO dealer.

Brake fluid inspection (Disk brake)

Check if the fluid level is below the lower level mark through the brake fluid reservoir (under the rear fender right side).

⚠ WARNING

POTENTIAL HAZARD

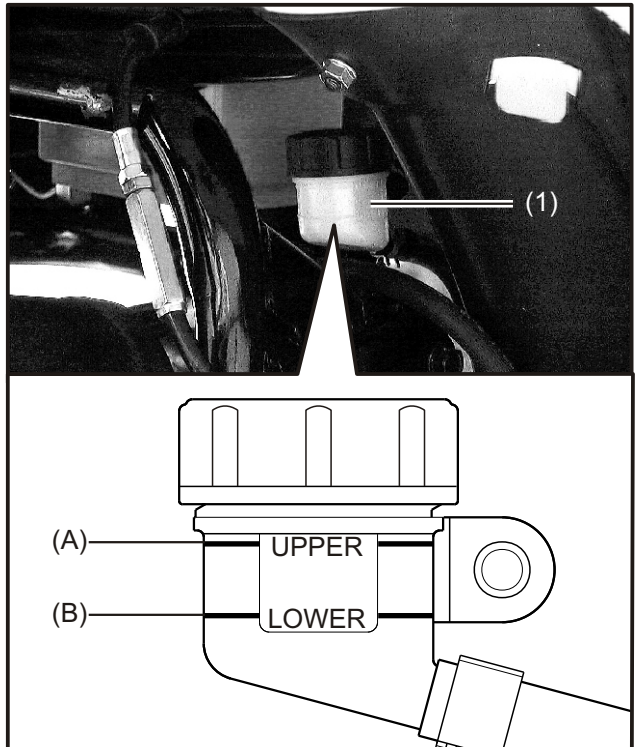
Brake fluid contacting the skink or eyes.

WHAT CAN HAPPEN

May cause irritation.

HOW TO AVOID THE HAZARD

Avoid contacting brake fluid with the skin or eyes. In case of contact, flush thoroughly with water and call a doctor if your eyes were exposed.



(1) Brake fluid reservoir

(A) Upper level mark

(B) Lower level mark

NOTE:

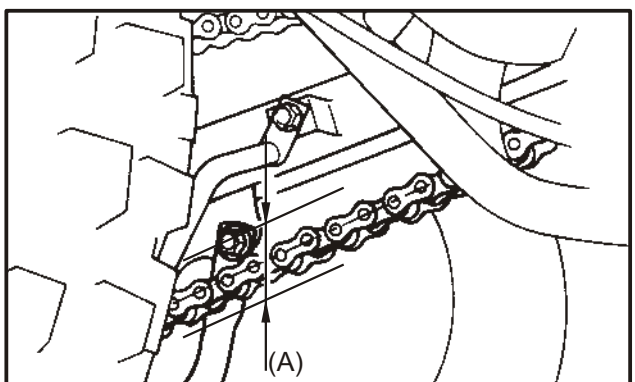
- As the brake pads wear, brake fluid level drops, automatically compensating for wear. There are no adjustments to perform, but fluid level and pad wear must be inspected periodically. The system must be inspected frequently to ensure there are no fluid leaks.
- If the brake lever travel become excessive and the brake pads are not worn beyond the recommended limit (page 110), There is probably air in the brake system and it must be bled. See your authorized KYMCO dealer for this service.

CAUTION:

- To prevent damage to the brake system, use only fluid from a sealed container. Never allow contaminants (dirt, water, etc.) to enter the brake fluid reservoir.
- Brake fluid can damage paint and plastic, so handle the fluid with care. When adding brake fluid, be sure the reservoir is horizontal before removing the cover to prevent accidental spilling.
- Use only DOT 4 brake fluid from a sealed container.

Drive chain slack check

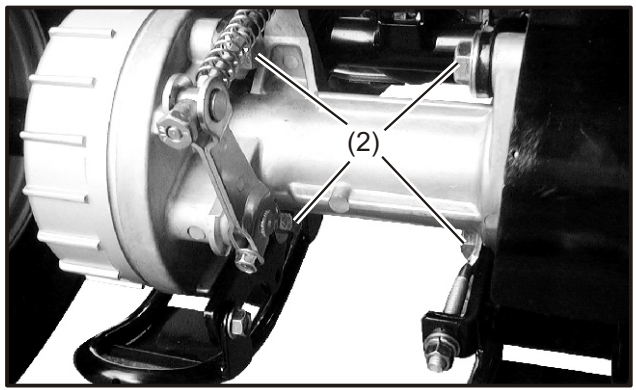
Inspect the drive chain while all tires are touching the ground. Check the slack at the position shown in the figure. The normal vertical deflection is approximately 10~20 mm (0.4~0.8in). If the deflection exceeds 20 mm (0.8 in), adjust the chain slack.



A. 10~20 mm (0.4~0.8 in)

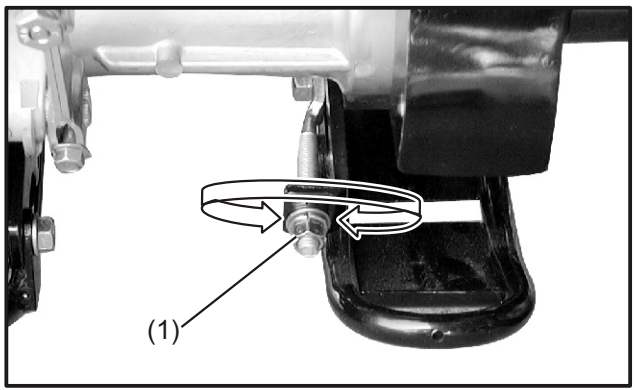
Drive chain slack adjustment

1.Loosen the upper and lower axle holding



1. Hub stopper nut 2. Axle holding bolt x 4

2. Turn the adjusting nut, to decrease or increase chain slack.



1. Adjust nut

3. Retighten the upper and lower axle holding bolts.

Tightening torque:

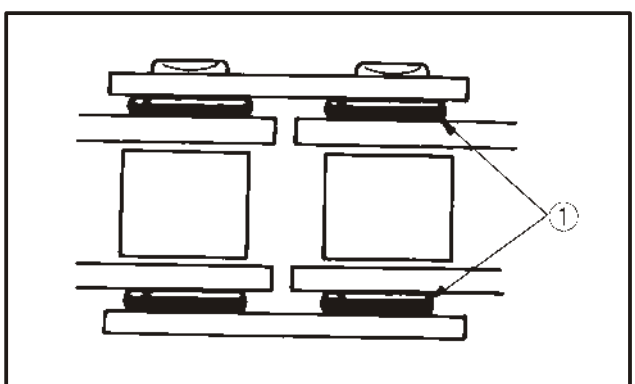
Axle holding bolts (upper):
70 Nm (7.0 m-kg, 48 ft-lb)

CAUTION:

Too little of chain slack will overload the engine and other important parts. Keep the slack within the specified limit.

Drive chain cleaning and lubrication

The drive chain is equipped with rubber O-rings between the chain plates. Steam cleaning, high-pressure washes, and certain solvents can damage these O-rings. Use only kerosene to clean the drive chain. Wipe it dry, and thoroughly lubricate it with SAE 30~50 motor oil. Do not use any other lubricants on the drive chain. They may contain solvents that could damage the O-rings.



1. O-rings

Cable inspection and lubrication

⚠ WARNING

POTENTIAL HAZARD
Damaged control cables.

WHAT CAN HAPPEN
Corrosion can result when the outer covering of control cables becomes damaged.
Cables can also become frayed or kinked.
Operation of controls could be restricted, which could cause an accident or injury.

HOW TO AVOID THE HAZARD
Inspect cables frequently. Replace damaged cables.

Lubricate the inner cables and the cable ends. If the cables do not operate smoothly, ask a KYMCO dealer to replace them.

Recommended lubricant:
KYMCO chain and cable lube or
SAE 10W40 motor oil

Brake lever lubrication

Lubricate the pivoting parts of the brake levers.

Recommended lubricant:
Lithium-soap-based grease
(All-purpose grease)

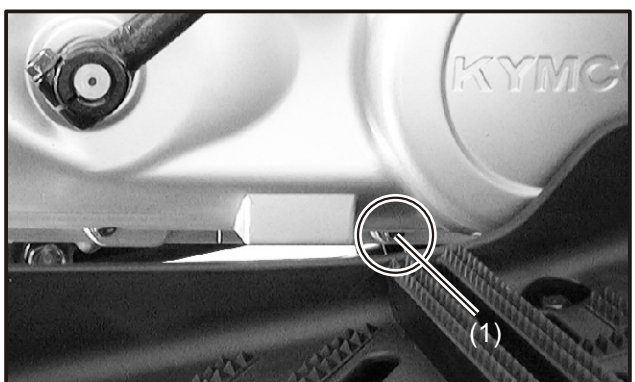
Knuckle shaft and rear fork shaft lubrication

Lubricate the pivot points using a grease gun.

Recommended lubricant:
Lithium-soap-based grease

Draining the V-belt compartment (MAXXER 90)

If water leaks into V-belt compartment such as when the machine is drive in water, remove the drain screw on the bottom of compartment and drain the water. Be sure to drive slowly until the V-belt becomes dry. If slipping is noticed, ask a KYMCO dealer to inspect.

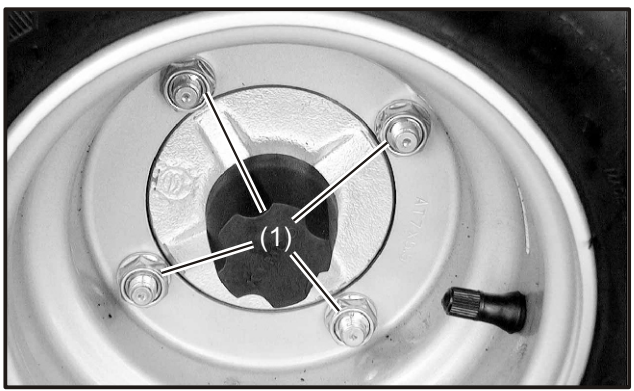


(1) Drain bolt

Wheel removal

1. Elevate the wheel by placing a suitable stand under the frame.
2. Remove the nuts from the wheel.
3. Remove the wheel assembly.

Wheel nut torque:
Front: 40 Nm (4.0 m-kg, 30 ft-lb)
Rear: 40 Nm (4.0 m-kg, 30 ft-lb)



(1) Safe nut

Wheel installation

When installing the wheel, reverse the removal procedure. Pay attention to the following.

Battery

Your ATV battery is located in a compartment under the seat. The battery is sealed, so it is not necessary to check the electrolyte level or add distilled water. If the battery seems weak, see your authorized KYMCO dealer for information on recharging or replacement. If you replace the battery, choose one that is sealed and equivalent to the original. Be sure to read and follow all safety precautions indicated on the battery.

CAUTION:

- Do not attempt to remove the caps from the battery cells as this may damage the battery.
- Although the battery is sealed, it vents explosive gases and should be handled with appropriate care.

⚠ WARNING

POTENTIAL HAZARD
Allowing open flames or sparks near the battery.

WHAT CAN HAPPEN
Gases may explode and possibly cause injury.

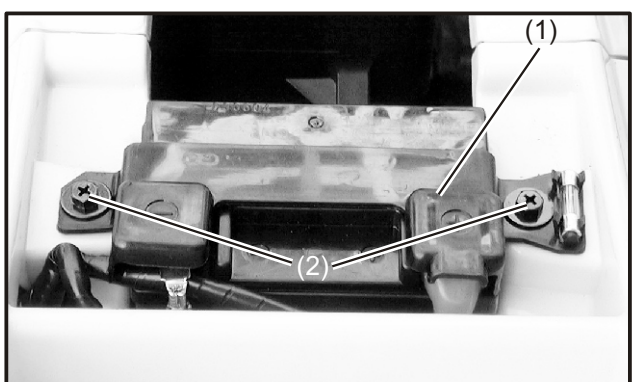
HOW TO AVOID THE HAZARD
Do not allow open flames or sparks near the battery.

NOTE:

- When the ATV is to be stored for an extended period, remove the battery from the vehicle and charge it fully. Then store it in a cool, dry place. If the battery is to be left on the vehicle, disconnect the negative cable from the battery terminal.
- Battery posts, terminals and related accessories contain lead and lead compounds. **Wash hands after handling.**

Battery remove

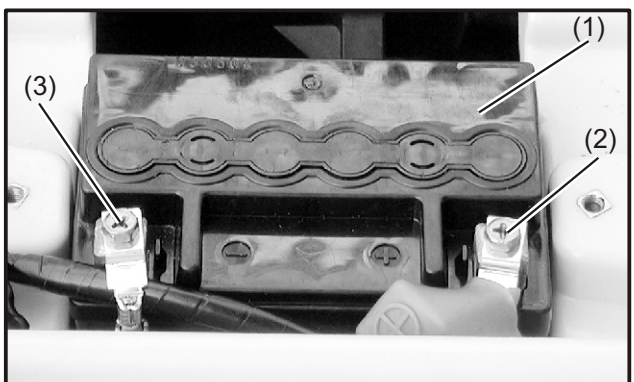
1. Make sure the ignition switch is OFF.
2. Remove the seat (page 38)
3. Remove the battery cover, by removing the mount bolts.
4. Disconnect the negative (-) terminal lead from the battery first, then disconnect the positive (+) terminal lead.
5. Remove the battery.



(1) Battery cover (2) Mount bolt

Battery installation

1. Install in the reverse order of removal.
2. Check all bolts and other fasteners are secure.
3. After installing the battery, check to see if the battery cables are routed correctly.



(1) Battery
(2) Positive (+) terminal lead
(3) Negative (-) terminal lead

Fuse replacement

When frequent fuse failure occurs, it usually indicates a short circuit or an overload in the electrical system. See your authorized KYMCO dealer for repair.

CAUTION:

To prevent accidental short-circuiting, turn off the ignition switch before checking or replacing a fuse.

⚠ WARNING

POTENTIAL HAZARD

Using an improper fuse.

WHAT CAN HAPPEN

An improper fuse can cause damage to the electrical system which could lead to a fire.

HOW TO AVOID THE HAZARD

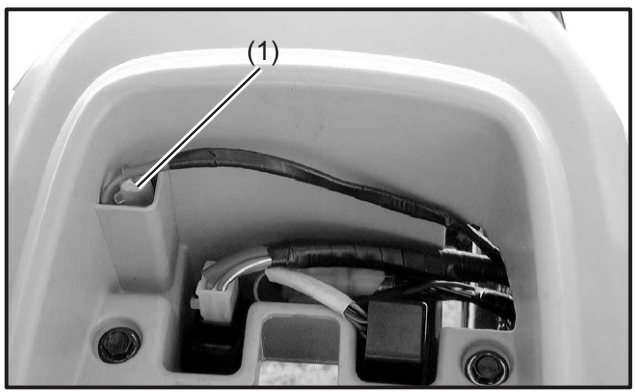
Always use a fuse of the specified rating.

Never use a material in place of the proper fuse.

Fuse holder:

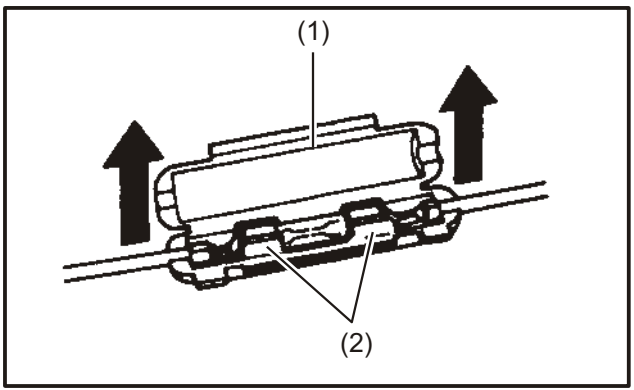
The fuse holder is located in the storage box under the seat.

The specified fuses are: 7A



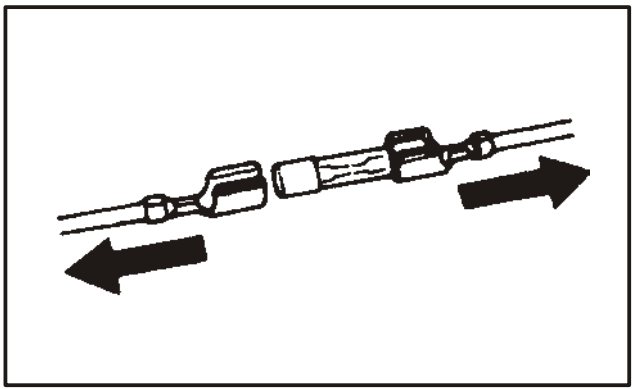
(1) Fuse holder

1. Lift the seat. (See page 38)
2. Open the fuse holders and lift out the fuse with the clips.

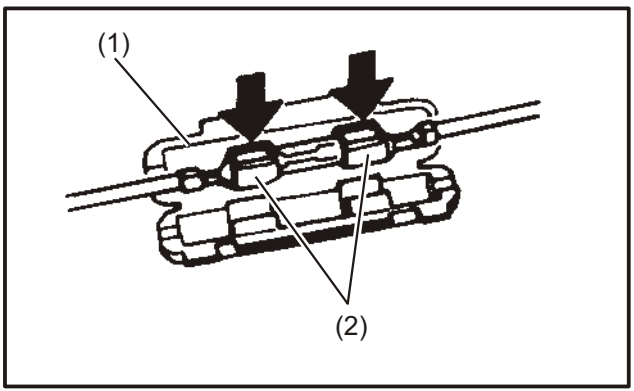


(1) Fuse holder (2) Clip

3. Slide the old fuse out of the clips and discard it.



4. Slide the clips onto the ends of the new fuse, push them back into the fuse holder, and close the fuse holder.
The spare fuse is on the battery cover.



(1) Fuse holder (2) Clip

CAUTION:

- Do not pry the clips open to get a fuse out; you could bend them and cause poor contact with the new fuse. A loose fuse could cause damage to the electrical system and even start a fire.
- After replacing the fuse, be sure return the fuse holder to its original location

Headlight beam adjustment

CAUTION:

It is advisable to have a KYMCO dealer make this adjustment.

Vertical adjustment:

Turn the ignition switch ON and start the engine.

Turn on the headlight switch.

Adjust the headlight aim by turning the headlight aim adjusting screw.

(1) Adjusting screw

⚠ WARNING

Indicates a strong possibility that serious injury or death may result if instructions are not followed.

Troubleshooting

Although KYMCO machines receive a rigid inspection before shipment from the factory, trouble may occur during operation. Any systems can cause poor starting and loss of power. The troubleshooting chart describes a quick, easy procedure for making checks. If your machine requires any repair, take it to a KYMCO dealer.

The skilled technicians at a KYMCO dealership have the tools, experience, and know-how to properly service your machine. Imitation parts may look like KYMCO parts, but they are often inferior. Consequently, they have a shorter service life and can lead to expensive repair bills.

⚠ WARNING

POTENTIAL HAZARD

Checking the fuel system while smoking or near an open flame.

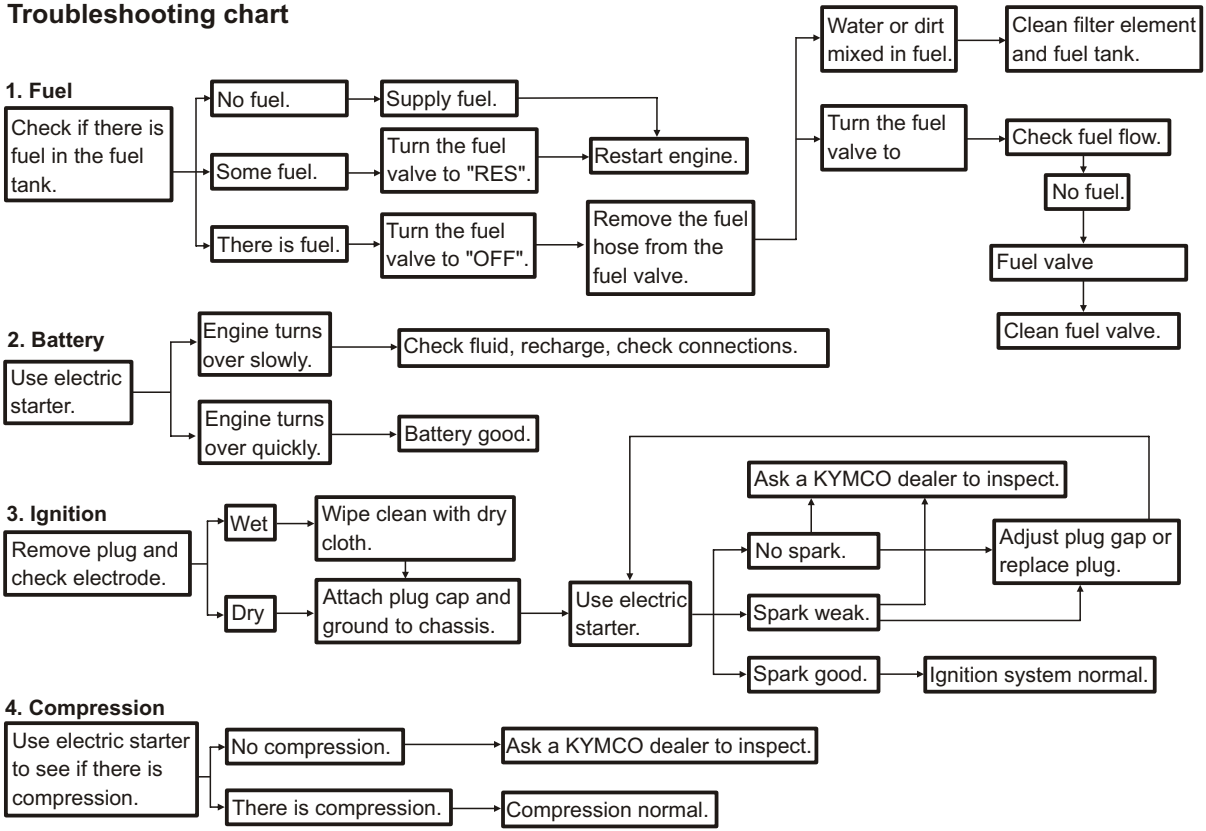
WHAT CAN HAPPEN

Fuel can ignite or explode, causing severe injury or property damage.

HOW TO AVOID THE HAZARD

Do not smoke when checking the fuel system. Make sure there are no open flames or sparks in the area, including pilot lights from water heaters or furnaces.

Troubleshooting chart



CLEANING AND STORAGE

A. CLEANING

Frequent, thorough cleaning of your machine will not only enhance its appearance but will improve its general performance and extend the useful life of many components.

1. Before cleaning the machine:
   A. Block off the end of the exhaust pipe to prevent water entry. A plastic bag and strong rubber band may be used.
   B. Make sure the spark plug and all filler caps are properly installed.
2. If the engine case is excessively greasy, apply degreaser with a paint brush. Do not apply degreaser to the chain, sprockets or wheel axles.
3. Rinse the dirt and degreaser off with a garden hose. Use only enough pressure to do the job.

CAUTION:

Excessive water pressure may cause water seepage and deterioration of wheel bearings, brakes, transmission seals and electrical devices. Many expensive repair bills have resulted from improper high pressure detergent applications such as those available in coin-operated car washers.

4. Once the majority of the dirt has been hosed off, wash all surfaces with warm water and mild, detergent-type soap. An old toothbrush or bottle brush is handy for hard-to-get-at places.
5. Rinse the machine off immediately with clean water and dry all surfaces with a chamois, clean towel or soft absorbent cloth.
6. Dry the chain and lubricate it to prevent rust.

7. Clean the seat with a vinyl upholstery cleaner to keep the cover pliable and glossy.
8. Automotive type wax may be applied to all painted and chrome plated surfaces. Avoid combination cleaner-waxes. Many contain abrasives which may mar the paint or protective finish.

When finished, start the engine and let it

⚠ WARNING

POTENTIAL HAZARD

Operation with wet brakes after washing.

WHAT CAN HAPPEN

Wet brakes may have reduced stopping ability, increasing the chance of an accident.

HOW TO AVOID THE HAZARD

Test the brakes after washing. Apply the brakes several times at slow speeds to let friction dry out the linings.

B. STORAGE

Before storing your ATV for an extended time, be sure you thoroughly check the vehicle for needed repairs and have them corrected. Otherwise, the repairs may be forgotten by the time you remove the vehicle from storage.

In addition, extended storage requires that you take the following steps to reduce the effects of deterioration from non-use of the vehicle:

1. Change the engine oil.
2. Drain the fuel tank and carburetor. Be sure to drain the fuel in a well-ventilated area, not in a garage.

⚠ WARNING

POTENTIAL HAZARD

Refueling this ATV or handling fuel improperly.

WHAT CAN HAPPEN

The fuel could explode or ignite.

HOW TO AVOID THE HAZARD

Always refuel this ATV and handle fuel in a well-ventilated area with the engine off.Do not smoke or allow flames or sparks in the area where fuel is handled.

Do not overfill the tank. Be careful not to spill fuel when refueling. After refueling, make sure the fuel fill cap is closed properly and securely.

If any fuel is spilled, make sure the area is dry before starting he engine.

⚠ WARNING

POTENTIAL HAZARD
Prolonged contact of fuel with the skin.
Breathing fuel vapor.

WHAT CAN HAPPEN
The fuel can cause skin irritation.
Fuel vapor could cause lung damage.

HOW TO AVOID THE HAZARD
Avoid repeated or prolonged contact of fuel with the skin or breathing of fuel vapor.

KEEP OUT OF REACH OF CHILDREN.

3. Remove the spark plug and pour one tablespoon (15 - 20 cc)of clean 2-stroke engine oil into the cylinder. Operate the starter for a few seconds to distribute the oil, then reinstall the spark plug, (Make sure the engine stop switch is OFF (⊗) before pressing the starter

4. Remove the battery (page 126) And store it in an area protected from freezing temperatures and direct sunlight and out of the reach of children, slow charge the battery once a month.

⚠ WARNING

POTENTIAL HAZARD
Allowing open flames or sparks near the battery.

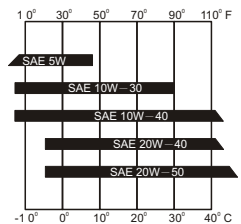
WHAT CAN HAPPEN
Gases may explode and possibly cause injury.

HOW TO AVOID THE HAZARD
Do not allow open flames or sparks near the battery.

5. Wash and dry the ATV, and wax all painted surfaces.
6. Inflate the tires to their recommended pressures.
7. Place the ATV on blocks to raise all four tires off the ground.

SPECIFICATIONS (MAXXER 50)

Model	MAXXER 50
Dimension:	
Overall length	1385 mm (54.5 in)
Overall width	820 mm (32.23 in)
Overall height	900 mm (35.46 in)
Seat height	620 mm (24.37 in)
Wheel base	900 mm (35.46 in)
Minimum ground clearance	75 mm (2.96 in)
Basic weight:	
With oil and full fuel tank	111 kg (244.2 lbs)
Engine:	
Type	Air cooled 2-stroke
Cylinder arrangement:	Single cylinder
Displacement	49.4 cm^3
Bore x stroke (mm)	39X41.4
Compression ratio	7.2:1
Starting system	Electric starter and kick starter
Lubrication system:	Separate type

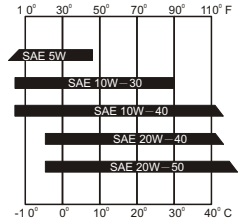
Model	MAXXER 50
Engine oil/transmission oil:	
Type	
Engine oil classification:	2-stroke engine oil
Transmission Oil classification:	 SEA90#,API Service SE, SF, SG type or higher
Quantity	
Engine oil:	
2-stroke engine oil	1.0 L (0.9 Imp qt, 1.1 US qt) over
Transmission oil:	
Periodic oil change	0.11 L (0.10 Imp qt, 0.12 US qt)
Total amount	0.12 L (0.11 Imp qt, 0.13 US qt)

Model	MAXXER 50
Air filter: for engine	Wet type element
Fuel: Type Tank capacity Reserve amount	 UNLEADED FUEL 5.5L(1.16 Imp gal, 1.4 US gal) 1.5L(0.32 Imp gal, 0.38 US gal)
Carburetor: Type	 PB
Spark plug: Type Gap	 NGK BR8 HAS 0.6 ~ 0.7 mm (0.024 ~ 0.028 in)
Clutch: Type	Dry, centrifugal automatic
Brake: Front brake type Operation Rear brake type Operation	 Drum brake Right hand operation Drum brake Left hand operation

Model	MAXXER 50
Suspension:	
Front	Swing axle
Rear	Swing arm
Shock absorber:	
Front	Coil spring/Oil damper
Rear	Coil spring/Oil damper
Electrical:	
Ignition system	C.D.I.
Generator system	C.D.I. Magneto
Battery type	12V, 4AH
Tire:	
Type	Tubeless
Size: Front	16X8-7
Rear	16X8-7
Bulb voltage, wattage*quantity:	
Headlight	12V35/35W
Taillight	12V5W

SPECIFICATIONS (MAXXER 90)

Model	MAXXER 90
Dimension:	
Overall length	1435 mm (56.54 in)
Overall width	905 mm (35.65 in)
Overall height	925 mm (36.45 in)
Seat height	650 mm (25.61 in)
Wheel base	970 mm (38.22 in)
Minimum ground clearance	100 mm (3.94 in)
Basic weight:	
With oil and full fuel tank	129kg (283.8 lbs)
Engine:	
Type	Air cooled 4-stroke, OHC
Cylinder arrangement:	Single cylinder
Displacement	89.9 cm^3
Bore x stroke	47X51.8
Compression ratio	10.0:1
Starting system	Electric starter and kick started
Lubrication system:	Wet sump

Model	MAXXER 90
Engine oil/transmission oil:	
Type	
Recommended engine oil classification:	 API Service SE, SF, SG type or higher
Recommended transmission Oil classification:	SEA#90
Quantity	
Engine oil:	
Periodic oil change	0.7 L (0.62 Imp qt, 0.74 US qt)
Total amount	0.8 L (0.70 Imp qt, 0.84 US qt)
Transmission oil:	
Periodic oil change	0.11 L (0.10 Imp qt, 0.12 US qt)
Total amount	0.12 L (0.11 Imp qt, 0.13 US qt)

Model	MAXXER 90
Air filter: for engine for V-belt compartment	 Wet type element Dry type element
Fuel: Type Tank capacity Reserve amount	 UNLEADED FUEL 5.5 L (1.16 Imp gal, 1.40 US gal) 1.5 L (0.32 Imp gal, 0.38 US gal)
Carburetor: Type	 PB
Spark plug: Type Gap	 NGK C7HSA 0.6 ~ 0.7 mm (0.024 ~ 0.028 in)
Clutch: Type	Dry, centrifugal automatic
Brake: Front brake type Operation Rear brake type Operation	 Drum brake Right hand operation Disk brake Left hand operation

Model	MAXXER 90
Suspension:	
Front	Swing axle
Rear	Swing arm
Shock absorber:	
Front	Coil spring/Oil damper
Rear	Coil spring/Oil damper
Electrical:	
Ignition system	C.D.I.
Generator system	C.D.I. Magneto
Battery type	12V, 4AH
Tire:	
Type	Tubeless
Size: Front	18X7-8
Rear	18X9-8
Bulb voltage, wattage*quantity:	
Headlight	12V35/35W
Taillight	12V5W

NOISE REGULATION

TAMPERING WITH NOISE CONTROL SYSTEM PROHIBITED:

Federal law prohibits the following acts or the causing thereof: (1) The removal or rendering inoperative by any person other than for purposes of maintenance, repair, or replacement of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use or (2) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

"AMONG THOSE ACTS PRESUMED TO CONSTITUTE TAMPERING ARE THE ACTS LISTED BELOW".

These acts include tampering with the following systems; i.e., Modification, removal, etc.

Exhaust system	Muffler Exhaust pipe Silencer
Intake system	Air cleaner case Air cleaner element Intake duct

MAINTENANCE RECORD

Copies of work orders and/or receipts for parts you purchase and install will be required to document maintenance done in accordance with the warranty. The chart below is printed only as a reminder to you that the maintenance work is required. It is not acceptable proof of maintenance work.

MAINTENACE INTERVAL	DATE OF SERVICE	MILEAGE	SERVICING DEALER NAME AND ADDRESS	REMARKS
1Month				
3Months				
6Months				
12Months				
18Months				
24Months				
30Months				
36Months				
42Months				
48Months				
54Months				
60Months				

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KYMCO

⚠ WARNING

Improper ATV use can result in SEVERE INJURY or DEATH.

ALWAYS USE AN
APPROVED HELMET
AND PROTECTIVE
GEAR

NEVER USE
WITH DRUGS
OR ALCOHOL

NEVER operate :

- **Without proper training or instruction.**
- **At speeds too fast for your skills or the conditions.**

Do not operate the vehicle after consuming ALCOHOL OR DRUGS.

ALWAYS :

- **Use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns.**
- **For your safety, wear gear to include helmet gloves and foot protection.**
- **Gasoline is flammable shut off engine, avoid sparks and open flame when refueling.**

READ OWNER'S MANUAL, FOLLOW ALL INSTRUCTIONS AND WARNINGS.